

BOARD OF BUILDING STANDARDS

General information (COM)

Duties

In addition to its occupational licensing responsibilities, the Board formulates and adopts administrative rules governing the construction and alteration of buildings which are then compiled into the Ohio Building, Mechanical, and Plumbing Codes, and the Residential Code of Ohio. The Board certifies county, township and municipal building departments and their personnel to enforce these codes. The Board is also responsible for the formulation of rules governing industrialized units, the installation and operation of boilers and unfired pressure vessels, and the construction of elevators. Finally, the Board also certifies fire protection system designers.

Membership *(Current members, chairperson and other officers, and selection process.)*

15 Member Board Appointed by the Governor:

- Fire Service
- General Contractor
- IU Representative
- Architect (2)
- Structural Engineer
- Mechanical Engineer
- Construction Materials
- Attorney
- Public Member
- Mayor
- Renewable Energy
- Homebuilder (2)
- Energy Conservation

Budget *(Current budget, description of budgeting process, sources of funding, and expected increases or decreases in budget or funding in future years.)*

Approximately \$3M Annual Budget (\$2.8 Code/Certification Operations, \$200K IU Program) Between 2018 and 2020, the Board collected approximately \$87,339/per year from certification fees. While these fees do fund, in part, Board operations, the Board's primary revenue is from assessment fees collected by local certified building department pursuant to Revised Code 3781.102 which not only funds Board operations but also to provide services and resources back to the building department and the construction industry, including education.

Workload *(Assess current, past, and anticipated workload. Has the workload increased or decreased significantly in the preceding six years?)*

Currently, the Board maintains approximately 4500 certifications which are held by approximately 2000 individuals and approximately 735 certified local building departments. The Board's certification program includes the processing and review of both initial certification applications and renewals, but also reviewing education courses for continuing education credit for certified personnel to renew certification. Board staff regularly provides educational opportunities to building department personnel and the construction industry at no cost. In addition to the Board's certification program, the Board adopts non-residential and residential building codes as well as the boiler and elevator rules enforced by the Division of Industrial Compliance. Board technical staff spends majority of their time responding to technical questions from construction industry (building owners, designers, contractors) and building departments regarding application of the codes. Two of the Board's twelve staff are dedicated to the Board's IU program which reviews for code compliance industrial (modular) units of closed construction manufactured in a factory for placement anywhere in the State. In 2020, the IU program processed 553 applications and issued 1625 insignias which are affixed to approved units. No increase of workload is expected from recent years.

Staffing *(How many staff are currently employed by the Board? What are their roles? Are staffing levels proportionate to the Board's current and anticipated workload?)*

The Board employs 12 staff (6 professional/technical, 6 support):

Executive Secretary – Appointed by the Board to manage the day-to-operations of the Board

Construction Codes Administrator – Professional Engineer/Architect, responsible for building code development and research

Assistant Construction Code Administrator (3) – Professional Engineer/Architect, assists in building code development and research

IU Master Plans Examiner – Reviews industrialized unit plans for compliance with building codes

Professional Development Coordinator – Manages Certification and Continuing Education Programs

Office Assistant – General offices duties

IU Customer Service Assistant – Processes IU insignia requests, IU payments and manufacturer registration

Certification Customer Service Assistant – Processes personnel certification applications/renewals

Management Analyst – Processes continuing education course applications, rosters, and building department assessment payments

Building Department Support Administrator/Investigator – Responds to complaints regarding building department personnel actions, assists building departments in implementing improvements, etc.

Administrative hearings and public complaints *(Describe the Board's processes for administering discipline and addressing complaints. Assess the efficiency of the processes.)*

OAC 4101:7-3-01(F)(7) lays out the complaint and disciplinary process:

(7) Certification, revocation or suspension. In accordance with division (E) of section [3781.10](#) of the Revised Code, a certification may be revoked or suspended upon receipt by the board of building standards of a written complaint from any person affected by the exercise of the authority granted under such certification, or by the board on its own motion pursuant to this paragraph.

(a) Complaint process. Upon receipt of a complaint against a holder of a certification that is substantiated to the satisfaction of the board or upon the board's own motion:

(i) The board shall decide whether the information submitted warrants causing an investigation to be initiated or sending a notice of opportunity for hearing as outlined in paragraph (F)(7)(a)(iv) of this rule;

Administrative hearings and public complaints *(Describe the Board's processes for administering discipline and addressing complaints. Assess the efficiency of the processes.)*

(ii) If a formal investigation is warranted, the subject of the investigation shall be notified that an investigation has been initiated by the board;

(iii) Upon completion of the investigation, findings shall be reported to the board.

(iv) The board may dismiss the complaint, table the matter for future action, or initiate action to suspend or revoke the certification. If the board decides to initiate action to suspend or revoke the certification it shall notify the certificate holder of the charges, pursuant to paragraph (F)(7)(c) of this rule, by certified mail, return receipt requested. The certificate holder shall be informed that a hearing, if desired, must be requested within thirty days from the date of the mailing to request a hearing before the board. The order shall inform the certificate holder that counsel may represent the certificate holder at the hearing. Failure by the certification holder to request a hearing within thirty days from the date of the mailing of the notification may cause the board, after a hearing, to uphold an order revoking or suspending certification.

(v) In the event that the certificate holder timely requests a hearing, the board shall decide to either conduct a hearing or appoint a hearing officer to conduct a hearing.

(a) Board decision to hold a hearing.

(i) The board shall schedule a hearing to be held seven to fifteen days after receipt of the request.

(ii) The board may continue or postpone the hearing upon application by the party or upon its own motion.

(iii) The board shall conduct a hearing during which parties and witnesses can be examined and offer testimony in a manner that prevents unnecessary delay, and that ensures the development of a clear and adequate record. The hearing shall be conducted pursuant to the provisions of sections [3781.10](#), [3781.101](#), and [119.09](#) of the Revised Code.

(b) Board decision to appoint a hearing officer. The hearing officer shall submit, within thirty days after the conclusion of the hearing, a written report of the finding of fact and recommendations to the board for its consideration.

(vi) Following the hearing or following receipt of the hearing officer's report, the board shall take action. The party affected shall be sent a certified copy of the board's action and informed by certified mail, return receipt requested, that the certification holder may appeal the order within fifteen days to the court of common pleas in Franklin county pursuant to sections [3781.10](#), [3781.101](#), and [119.12](#) of the Revised Code.

Administrative hearings and public complaints *(Describe the Board's processes for administering discipline and addressing complaints. Assess the efficiency of the processes.)*

(b) Building department personnel certification, hearings and appeals. Hearings shall be held by the board of building standards and appeals shall be permitted on any proceedings for certification as provided in section [119.07](#) of the Revised Code and in paragraph (F)(7)(a) of this rule.

(c) Grounds for revocation or suspension. The board shall revoke or suspend an individuals certification if the board concludes that the individual has committed one or more of the following:

(i) The practice of fraud or deceit in obtaining the certification;

(ii) A felony or crime involving moral turpitude;

(iii) Gross negligence, incompetence, misconduct in performance of duties, or engaging in conduct that is considered a conflict of interest;

(iv) Failure to complete the continuing education requirements prior to expiration date of the certificate;

(v) Violation of the duties described in section 104 of rule [4101:1-1-01](#) of the Administrative Code for non-residential certifications and section 104 of rule [4101:8-1-01](#) of the Administrative Code for residential certifications.

(d) Revocation or suspension. In the event of suspension or revocation of a certification, the individual shall no longer hold out to the public or any jurisdiction that the individual is certified to exercise enforcement authority or holds the board certification which has been suspended or certification revoked. During a suspension, the certificate holder shall comply with the training, reporting, auditing, or other remedial action required by the board. In addition to such other authority the board may have, the board is authorized to revoke the individual's certification for failure to comply with such remedial requirements.

(e) Probationary status. In the event of an investigation in which the board decides not to immediately suspend or revoke an individual's certification, the board may place the individual on probationary status for a period of time and require remedial action as the board deems appropriate. During this time the certificate holder shall comply with the training, reporting, auditing, or other remedial action required by the board. In addition to such other authority the board may have, the board is authorized to revoke or suspend the certificate holder's certification for failure to comply with such remedial requirements.

Primarily the Board's complaint and disciplinary processes is not punitive, but to make corrections where deficiencies or failures or identified.

Building inspector

Survey responses (COM)

| Description |
|--|
| A building inspector is responsible for confirming that structural/mechanical/fire protection work is consistent with the approved construction documents. |

| Type <i>(License, specialty license for medical reimbursement, government certification, registration, bonding or insurance, inspection, or process regulation. See R.C. 4798.01 for relevant definitions.)</i> |
|---|
| License |

| If the regulation is a registration, certification, or license requirement, please complete the following: | |
|--|-------------------|
| Number issued annually | Approximately 50 |
| Number renewed annually | Approximately 300 |

| If the regulation is a registration, certification, or license requirement, please complete the following: | |
|--|--|
| Have there been significant increases or decreases in active registrations, certifications or licenses in the preceding six years? | No significant increase/decrease in last 6 years |
| Education or training requirements | Completion of Board-sponsored code academy during interim certification (free online or in-person training offered twice per year) |
| Experience requirements | 5 years experience in relevant construction trade; less for individuals entering as trainee |
| Examination requirements (<i>Who administers the exam? How is the exam and administrator selected? What fees are charged? Does the Board receive any proceeds of those fees? If so, how are the proceeds used?</i>) | International Code Council (ICC) – B2, M2 or National Certification Program for Construction Code Inspectors (NCPCCI) -1B, 3B, 4B Examination costs range from \$160-\$240. The Board’s examination requirements align with requirements for certification issued by International Code Council, therefore the Board only recognizes these exams and does not set fees, etc. |
| Continuing education requirements (<i>Including a description of the curriculum and the process of setting it.</i>) | 30 hours of Board-approved continuing education |
| Initial fee | \$50 |
| Duration | 2-year interim, then 3-year renewal period |
| Renewal fee (<i>If different from initial fee, please explain why.</i>) | \$30 |

| If the regulation is a registration, certification, or license requirement, please complete the following: | |
|---|---|
| Does the Board recognize uniform licensure requirements or allow for reciprocity? | Yes, the Board's examination requirements align with requirements for certification issued by International Code Council, a certification recognized by many jurisdiction across the country. |
| Are there any similar national registrations, certifications, or licenses? Could they be used as a substitute for the state regulation? | Yes, see above. The Board's certification requires minimal level of relevant experience in construction in addition to testing to qualify for certification. |
| Are there any circumstances in which an individual may practice elements of the occupation without being regulated by the Board? | No |
| Is the Board permitted to exercise discretion in determining whether to register, certify, or license an individual? | Yes, the Board recognizes other equivalent experience to qualify for certification. |
| Other information (Significant attributes or prerequisites to licensure not addressed in this chart.) | |

Oversight and disciplinary authority of the Board respecting individuals engaged in the occupation.

See OAC 4101:7-3-01(F)(7) discussed above.

How much revenue is derived from fees charged by the Board to individuals engaged in the occupation (such as license and renewal fees)? How is that revenue used?

The revenue collected from fees charged for personnel certification/renewal is minimal. The Board collected approximately \$87,339/per year from certification fees. See budget/revenue information discussed above.

Describe any federal regulations that apply to the occupation. Does federal law require the state to regulate the occupation?

N/A

What is the harm that the regulation seeks to prevent? (See, R.C. 4798.02(B).)

Review and inspection of Ohio's built environment by qualified individuals is fundamental to safety of its occupants and the protection of property. The codes enforced by Board-certified personnel adopted by the Board are based on international consensus-based standards developed and updated by the International Code Council (ICC). Most states use ICC's model codes as the basis for their building codes, but code requirements are only as good and effective as the individual(s) charged with their interpretation, application and enforcement.

Is the regulation effective at preventing the harm described above? Are there other, less restrictive ways to prevent the harm?

Yes, the Board’s certification program ensures accountability and uniformity in the interpretation and application of the building codes resulting in savings of both building owner’s time and money. However, the Board recently determined to perform an in-depth study to identify trends across the country in code enforcement that may be responding to the changed nature of modern construction as well as a further review of the necessary skills sets to perform code enforcement today for possible changes to certification requirements. We plan to commission a study which we hope to have completed by next year to inform our review.

Are there any changes the Board would like to see implemented?

Not at this time. Awaiting completion of certification study for further discussion.

Surrounding state comparison (LSC)

| Building Inspector (Building Inspector, Building Inspector Trainee, and Interim Building Inspector) | | | | | | |
|--|---|--|--|--|--|---|
| | Ohio | Indiana | Kentucky | Michigan | Pennsylvania | West Virginia |
| License required? | Certification (<i>R.C. 3781.10; Ohio Administrative Code (O.A.C.) 4101:7-03-01(A)(26), (27), and (28)</i>). | No clear equivalent. Local regulations apply. (<i>Ind. Code 36-7-8-6.</i>) | Building inspector certification (<i>815 Ky. Admin. Regs. 7:070(3)</i>). | Building inspector registration (<i>Mich. Admin. Code R. 408.30031</i>). | Building inspector certification (<i>34 Pa. Code 401.3</i>). | Residential building inspector and commercial building inspector certifications |

| Building Inspector (<i>Building Inspector, Building Inspector Trainee, and Interim Building Inspector</i>) | | | | | | |
|--|------|---------|---|---|--------------|--|
| | Ohio | Indiana | Kentucky | Michigan | Pennsylvania | West Virginia |
| | | | | | | (<i>W. Va. Code R. 87-7-3</i>). ² |
| Education or training | N/A | N/A | One of the following: <ul style="list-style-type: none"> ▪ High school diploma plus two years of related experience in construction, architecture, or engineering; ▪ Associate’s degree in design, building technology, or a construction-related subject; or ▪ Bachelor’s degree in architecture, | Complete training in all of the following: <ul style="list-style-type: none"> ▪ At least four hours in administration and enforcement of statutes and regulations; ▪ At least one hour in communication skills; ▪ At least eight hours in technical code provisions; ▪ At least two hours in plan review; and | N/A | N/A |

² West Virginia is in the process of recodifying its rules as a result of legislation transferring inspector and plan regulation from the Fire Commission to the State Fire Marshal. Note that some citations may be to the former location of the rules.

Building Inspector (*Building Inspector, Building Inspector Trainee, and Interim Building Inspector*)

| | Ohio | Indiana | Kentucky | Michigan | Pennsylvania | West Virginia |
|------------|---|---------|---|---|--------------|---------------|
| | | | engineering, fire science, or building technology. <i>(815 Ky. Admin. Regs. 7:070(3).)</i> | <ul style="list-style-type: none"> ▪ At least three hours of specialty training based on classification. <i>(Mich. Admin. Code R. 408.30031.)</i> | | |
| Experience | For a building inspector or interim building inspector, one of the following: <ul style="list-style-type: none"> ▪ At least five years of experience in structural carpentry, steel erection, or concrete construction work subject to inspection; ▪ At least five years of experience as a full-time | N/A | See "Education or Training." | At least four years of experience as a residential builder, building contractor, skilled worker in the construction industry, architect, engineer, project manager, or as an out-of-state building inspector from other states. A degree from an institution of higher learning may satisfy up to two years of the | N/A | N/A |

Building Inspector (*Building Inspector, Building Inspector Trainee, and Interim Building Inspector*)

| | Ohio | Indiana | Kentucky | Michigan | Pennsylvania | West Virginia |
|--|--|---------|----------|---|--------------|---------------|
| | <p>nonresidential building official, master plans examiner, nonresidential mechanical inspector, residential building official, residential plans examiner, residential building inspector, or residential mechanical inspector in a certified residential building department; or</p> <ul style="list-style-type: none"> ▪ Completion of the building inspector trainee program. | | | <p>experience requirement.</p> <p>Registration is “provisional” until the second three-year registration cycle.</p> <p><i>(Mich. Admin. Code R. 408.30031 and 408.30037.)</i></p> | | |

Building Inspector (*Building Inspector, Building Inspector Trainee, and Interim Building Inspector*)

| | Ohio | Indiana | Kentucky | Michigan | Pennsylvania | West Virginia |
|------|---|---------|--|----------|--|---|
| | <p><i>(O.A.C. 4101:7-3-01(E)(11).)</i></p> <p>For a building inspector trainee, at least one year of experience as a skilled tradesperson for work subject to inspection or completion of an approved vocational or technical education program <i>(O.A.C. 4101:7-3-01(F)(5)(vi) and (vii) and (F)(6)).</i></p> | | | | | |
| Exam | For a building inspector, select exam modules administered by the National Certification Program for Construction Code Inspectors (NCPCCI) or the | N/A | Select exam modules administered by NCPCCI or ICC <i>(815 Ky. Admin. Regs. 7:070).</i> | N/A | Select exam modules administered by NCPCCI or ICC may be waived if evidence of commensurate qualification is provided <i>(34 Pa.</i> | Select exam modules administered by ICC. Exam is waived for licensed architects and engineers. Two-year probationary certification is |

Building Inspector (*Building Inspector, Building Inspector Trainee, and Interim Building Inspector*)

| | Ohio | Indiana | Kentucky | Michigan | Pennsylvania | West Virginia |
|--|--|---------|----------|----------|-------------------------------|--|
| | <p>International Code Council (ICC) <i>(O.A.C. 4101:7-3-01(F)(1)(d)).</i></p> <p>For a building inspector trainee, exam modules must be completed within allotted time of the trainee program.</p> <p>One-time interim building inspector certificate may be issued to applicants who meet education and experience requirements but have not completed the required examination. <i>(O.A.C. 4101:7-3-01(F)(2)(a)(i).)</i></p> | | | | <i>Code 401.5 and 401.6).</i> | <p>available for individuals who have not yet passed the exam. <i>(W. Va. Code R. 87-7-3 and 6.)</i></p> |

Building Inspector (*Building Inspector, Building Inspector Trainee, and Interim Building Inspector*)

| | Ohio | Indiana | Kentucky | Michigan | Pennsylvania | West Virginia |
|----------------------|--|---------|---|---|--|--|
| Continuing education | <p>Complete “Ohio Building Code Academy” requirements during initial certification period (<i>O.A.C. 4101:7-3-01(F)(4)(a)(i)</i>).</p> <p>30 hours of continuing education every subsequent three-year certification period, including three hours dedicated to code administration, three hours dedicated to existing buildings, and one hour dedicated to ethics (<i>O.A.C. 4101:7-3-01(F)(4)(a)(ii)</i>).</p> | N/A | 12 hours annually (<i>815 Ky. Admin. Regs. 7:070(4)</i>). | 47 hours every three years (<i>Mich. Admin. Code R. 408.30055</i>). | 15 hours every three years (<i>34 Pa. Code 401.9</i>). | 15 hours every three years (<i>W. Va. Code R. 87-7-4</i>). |

Building Inspector (*Building Inspector, Building Inspector Trainee, and Interim Building Inspector*)

| | Ohio | Indiana | Kentucky | Michigan | Pennsylvania | West Virginia |
|-----------------------|---|---------|--|---|--|---|
| Initial licensure fee | \$50 (<i>O.A.C. 4101:7-03-01(F)</i>). | N/A | \$50 (<i>815 Ky. Admin. Regs. 7:070</i>). | \$75 (<i>Michigan Department of Licensing and Regulatory Affairs (LARA), Application for Registration of Building Officials, Inspectors, and Plan Reviewers</i>). | \$50 (<i>34 Pa. Code 401.2</i>). | \$75 (<i>W. Va. Code R. 87-7-3</i>). |
| License duration | For a building inspector, three years. For a building inspector trainee, six years. For an interim building inspector, two years. (<i>O.A.C. 4101:7-3-01(F)(2)(a)(i) and (ii) and (F)(5)(d)</i> .) | N/A | One year (<i>815 Ky. Admin. Regs. 7:070(5)</i>). | Three years (<i>Mich. Admin. Code R. 408.30052</i>). | Three years (<i>34 Pa. Code 401.4(e)</i>). | Three years (<i>W. Va. Code R. 87-7-5</i>). |
| Renewal fee | \$30 (<i>O.A.C. 4101:7-03-01(F)(2)(c)</i>). | N/A | \$50 (<i>815 Ky. Admin. Regs. 7:070(6)</i>). | \$75 (<i>LARA, Application for Registration of Building Officials,</i> | \$50 (<i>34 Pa. Code 401.2</i>). | \$75 (<i>W. Va. Code R. 87-7-5</i>). |

| Building Inspector (<i>Building Inspector, Building Inspector Trainee, and Interim Building Inspector</i>) | | | | | | |
|--|------|---------|----------|---|--------------|---------------|
| | Ohio | Indiana | Kentucky | Michigan | Pennsylvania | West Virginia |
| | | | | <i>Inspectors, and Plan Reviewers).</i> | | |

Building official

Survey responses (COM)

| Description |
|--|
| <p>The building official is responsible for the enforcement of the rules of the board and of Chapters 3781. and 3791. of the Revised Code relating to the construction, arrangement, and the erection of buildings or parts thereof. The building official shall render interpretations of this code and to adopt policies and procedures in order to clarify the application of its provisions. Building officials shall be responsible to assure that a system is in place to track and audit all projects, to assure that all building department personnel perform their duties and for the overall administration of the building department.</p> |
| Type (<i>License, specialty license for medical reimbursement, government certification, registration, bonding or insurance, inspection, or process regulation. See R.C. 4798.01 for relevant definitions.</i>) |
| <p>License</p> |

| If the regulation is a registration, certification, or license requirement, please complete the following: | |
|--|--|
| Number issued annually | Approximately 20 |
| Number renewed annually | Approximately 200 |
| Have there been significant increases or decreases in active registrations, certifications or licenses in the preceding six years? | No significant increase/decrease in last 6 years |
| Education or training requirements | Completion of Board-sponsored code academy during interim certification (free online or in-person training offered twice per year) |
| Experience requirements | 10 years experience as commercial construction manager/foreman or certified building department experience or 5 years experience as residential building official or as professional design professional (architect/engineer) |
| Examination requirements (<i>Who administers the exam? How is the exam and administrator selected? What fees are charged? Does the Board receive any proceeds of those fees? If so, how are the proceeds used?</i>) | International Code Council (ICC) – MM, MG, BC or National Certification Program for Construction Code Inspectors (NCPCCI) - NA Examination costs \$160. The Board’s examination requirements align with requirements for certification issued by International Code Council, therefore the Board only recognizes these exams and does not set fees, etc. |
| Continuing education requirements (<i>Including a description of the curriculum and the process of setting it.</i>) | 30 hours of Board-approved continuing education |
| Initial fee | \$50 |

| If the regulation is a registration, certification, or license requirement, please complete the following: | |
|--|---|
| Duration | 2-year interim, then 3-year renewal period |
| Renewal fee <i>(If different from initial fee, please explain why.)</i> | \$30 |
| Does the Board recognize uniform licensure requirements or allow for reciprocity? | Yes, the Board's examination requirements align with requirements for certification issued by International Code Council, a certification recognized by many jurisdiction across the country. |
| Are there any similar national registrations, certifications, or licenses? Could they be used as a substitute for the state regulation? | Yes, see above. The Board's certification requires minimal level of relevant experience in construction in addition to testing to qualify for certification. |
| Are there any circumstances in which an individual may practice elements of the occupation without being regulated by the Board? | No |
| Is the Board permitted to exercise discretion in determining whether to register, certify, or license an individual? | Yes, the Board recognizes other equivalent experience to qualify for certification. |
| Other information <i>(Significant attributes or prerequisites to licensure not addressed in this chart.)</i> | |

Oversight and disciplinary authority of the Board respecting individuals engaged in the occupation.

See OAC 4101:7-3-01(F)(7) discussed above.

**How much revenue is derived from fees charged by the Board to individuals engaged in the occupation (such as license and renewal fees)?
How is that revenue used?**

The revenue collected from fees charged for personnel certification/renewal is minimal. The Board collected approximately \$87,339/per year from certification fees. See budget/revenue information discussed above.

Describe any federal regulations that apply to the occupation. Does federal law require the state to regulate the occupation?

N/A

What is the harm that the regulation seeks to prevent? (See, R.C. 4798.02(B).)

Review and inspection of Ohio's built environment by qualified individuals is fundamental to safety of its occupants and the protection of property. The codes enforced by Board-certified personnel adopted by the Board are based on international consensus-based standards developed and updated by the International Code Council (ICC). Most states use ICC's model codes as the basis for their building codes, but code requirements are only as good and effective as the individual(s) charged with their interpretation, application and enforcement.

Is the regulation effective at preventing the harm described above? Are there other, less restrictive ways to prevent the harm?

Yes, the Board's certification program ensures accountability and uniformity in the interpretation and application of the building codes resulting in savings of both building owner's time and money. However, the Board recently determined to perform an in-depth study to identify trends across the country in code enforcement that may be responding to the changed nature of modern construction as well as a further review of the necessary skills sets to perform code enforcement today for possible changes to certification requirements. We plan to commission a study which we hope to have completed by next year to inform our review.

Are there any changes the Board would like to see implemented?

Not at this time. Awaiting completion of certification study for further discussion.

Surrounding state comparison (LSC)

| Building Official (<i>Building Official and Interim Building Official</i>) | | | | | | |
|--|--|--|----------------------|---|--|--|
| | Ohio | Indiana | Kentucky | Michigan | Pennsylvania | West Virginia |
| License required? | Certification (<i>R.C. 3781.10; O.A.C. 4101:7-3-01(A)(1) and (2)</i>). | No clear equivalent. Local regulations apply. (<i>Ind. Code 36-7-8-6.</i>) | No clear equivalent. | Building official registration (<i>Mich. Comp. Laws 339.6009; Mich. Admin. Code R. 408.30031</i>). | Building code official certification (<i>34 Pa. Code 401.3</i>). | Building code official certification (<i>W. Va. Code R. 87-7-3</i>). |
| Education or training | N/A | N/A | N/A | Complete training in all of the following: <ul style="list-style-type: none"> ▪ At least four hours in administration and enforcement of statutes and regulations; ▪ At least one hour in communication skills; ▪ At least eight hours in technical code provisions; | N/A | N/A |

| Building Official (<i>Building Official and Interim Building Official</i>) | | | | | | |
|--|--|---------|----------|---|--------------|---------------|
| | Ohio | Indiana | Kentucky | Michigan | Pennsylvania | West Virginia |
| | | | | <ul style="list-style-type: none"> ▪ At least two hours in plan review; and ▪ At least three hours of specialty training based on classification. <p><i>(Mich. Admin. Code R. 408.30031.)</i></p> | | |
| Experience | <p>One of the following:</p> <ul style="list-style-type: none"> ▪ At least five years of experience in nonresidential building design and construction while registered in Ohio as an architect or professional engineer; | N/A | N/A | <p>At least two years of experience as a registered code inspector or plan reviewer.</p> <p>Registration is provisional until second three-year registration cycle.</p> <p><i>(Mich. Admin. Code R. 408.30031 and 408.30034.)</i></p> | N/A | N/A |

Building Official (*Building Official and Interim Building Official*)

| | Ohio | Indiana | Kentucky | Michigan | Pennsylvania | West Virginia |
|------|--|---------|----------|----------|---|---|
| | <ul style="list-style-type: none"> ▪ At least ten years of experience as a general contractor or superintendent of building construction; or ▪ At least five years of experience as a residential building official in a certified residential building department. <p><i>(O.A.C. 4101:7-03-01(E)(2).)</i></p> | | | | | |
| Exam | For a building official, select exam modules administered by NCPCCI or ICC <i>(O.A.C. 4101:7-3-01(F)(1)(d)).</i> | N/A | N/A | N/A | Select exam modules administered by NCPCCI or ICC. May be waived if evidence of commensurate qualification is | Select exam modules administered by ICC. Exam is waived for licensed architects and engineers. Two- |

| Building Official (<i>Building Official and Interim Building Official</i>) | | | | | | |
|--|---|---------|----------|---|--|--|
| | Ohio | Indiana | Kentucky | Michigan | Pennsylvania | West Virginia |
| | One-time interim building official certificate may be issued to an applicant who meets education and experience requirements but has not yet completed the required exam (<i>O.A.C. 4101:7-3-01(F)(2)(a)(i)</i>). | | | | provided. (<i>34 Pa. Code 401.5 and 401.6.</i>) | year probationary certification is available for individuals who have not yet passed the exam. (<i>W. Va. Code R. 87-7-3 and 6.</i>) |
| Continuing education | Complete “Ohio Building Code Academy” requirements during initial certification period (<i>O.A.C. 4101:7-3-01(F)(4)(a)(i)</i>). 30 hours every subsequent three-year certification period, including three hours dedicated to code administration, | N/A | N/A | 50 hours every three years (<i>Mich. Admin. Code R. 408.30055</i>). | 15 hours every three years (<i>34 Pa. Code 401.9</i>). | 15 hours every three years (<i>W. Va. Code R. 87-7-4</i>). |

Building Official (*Building Official and Interim Building Official*)

| | Ohio | Indiana | Kentucky | Michigan | Pennsylvania | West Virginia |
|-----------------------|---|---------|----------|---|--|---|
| | three hours dedicated to existing buildings, and one hour dedicated to ethics (<i>O.A.C. 4101:7-03-01(F)(4)(a)(ii)</i>). | | | | | |
| Initial licensure fee | \$50 (<i>O.A.C. 4101:7-03-01(F)(4)</i>). | N/A | N/A | \$75 (<i>Mich. Comp. Laws 339.6023</i>). | \$50 (<i>34 Pa. Code 401.2</i>). | \$75 (<i>W. Va. Code R. 87-7-3</i>). |
| License duration | For a building official, three years. For an interim building official, two years. (<i>O.A.C. 4101:7-03-01(F)(2) and (5)</i> .) | N/A | N/A | Three years (<i>Mich. Comp. Laws 339.6011</i>). | Three years (<i>34 Pa. Code 401.4(e)</i>). | Three years (<i>W. Va. Code R. 87-7-5</i>). |
| Renewal fee | \$30 (<i>O.A.C. 4101:7-03-01(F)(2)</i>). | N/A | N/A | \$75 (<i>LARA, Application for Registration of Building Officials, Inspectors, and Plan Reviewers</i>). | \$50 (<i>34 Pa. Code 401.2</i>). | \$75 (<i>W. Va. Code R. 87-7-5</i>). |

Building plans examiner

Survey responses (COM)

| Description |
|---|
| A building plans examiner is responsible for the examination of construction documents related to all general building construction and associated structural work. |

| Type (License, specialty license for medical reimbursement, government certification, registration, bonding or insurance, inspection, or process regulation. See R.C. 4798.01 for relevant definitions.) |
|--|
| License |

| If the regulation is a registration, certification, or license requirement, please complete the following: | |
|--|------------------|
| Number issued annually | Approximately 5 |
| Number renewed annually | Approximately 25 |

| If the regulation is a registration, certification, or license requirement, please complete the following: | |
|--|--|
| Have there been significant increases or decreases in active registrations, certifications or licenses in the preceding six years? | No significant increase/decrease in last 4 years. Certification created in 2017 to give building departments more options for staffing needs and additional paths for certification. |
| Education or training requirements | Completion of Board-sponsored code academy during interim certification (free online or in-person training offered twice per year) |
| Experience requirements | 10 years experience relevant construction experience or 5 years experience certified building inspector or registered design profession; less for individuals entering as trainee |
| Examination requirements (<i>Who administers the exam? How is the exam and administrator selected? What fees are charged? Does the Board receive any proceeds of those fees? If so, how are the proceeds used?</i>) | International Code Council (ICC) – B3 or National Certification Program for Construction Code Inspectors (NCPCCI) – 1C Examination costs \$240. The Board’s examination requirements align with requirements for certification issued by International Code Council, therefore the Board only recognizes these exams and does not set fees, etc. |
| Continuing education requirements (<i>Including a description of the curriculum and the process of setting it.</i>) | 30 hours of Board-approved continuing education |
| Initial fee | \$50 |
| Duration | 2-year interim, then 3-year renewal period |
| Renewal fee (<i>If different from initial fee, please explain why.</i>) | \$30 |

If the regulation is a registration, certification, or license requirement, please complete the following:

| | |
|---|--|
| <p>Does the Board recognize uniform licensure requirements or allow for reciprocity?</p> | <p>Yes, the Board’s examination requirements align with requirements for certification issued by International Code Council, a certification recognized by many jurisdiction across the country.</p> |
| <p>Are there any similar national registrations, certifications, or licenses? Could they be used as a substitute for the state regulation?</p> | <p>Yes, see above. The Board’s certification requires minimal level of relevant experience in construction in addition to testing to qualify for certification.</p> |
| <p>Are there any circumstances in which an individual may practice elements of the occupation without being regulated by the Board?</p> | <p>No</p> |
| <p>Is the Board permitted to exercise discretion in determining whether to register, certify, or license an individual?</p> | <p>Yes, the Board recognizes other equivalent experience to qualify for certification.</p> |
| <p>Other information (<i>Significant attributes or prerequisites to licensure not addressed in this chart.</i>)</p> | <p>Optional certification; If a building department does not have a building plans examiner, master plans examiner can perform duties</p> |

Oversight and disciplinary authority of the Board respecting individuals engaged in the occupation.

See OAC 4101:7-3-01(F)(7) discussed above.

How much revenue is derived from fees charged by the Board to individuals engaged in the occupation (such as license and renewal fees)? How is that revenue used?

The revenue collected from fees charged for personnel certification/renewal is minimal. The Board collected approximately \$87,339/per year from certification fees. See budget/revenue information discussed above.

Describe any federal regulations that apply to the occupation. Does federal law require the state to regulate the occupation?

N/A

What is the harm that the regulation seeks to prevent? (See, R.C. 4798.02(B).)

Review and inspection of Ohio's built environment by qualified individuals is fundamental to safety of its occupants and the protection of property. The codes enforced by Board-certified personnel adopted by the Board are based on international consensus-based standards developed and updated by the International Code Council (ICC). Most states use ICC's model codes as the basis for their building codes, but code requirements are only as good and effective as the individual(s) charged with their interpretation, application and enforcement.

Is the regulation effective at preventing the harm described above? Are there other, less restrictive ways to prevent the harm?

Yes, the Board’s certification program ensures accountability and uniformity in the interpretation and application of the building codes resulting in savings of both building owner’s time and money. However, the Board recently determined to perform an in-depth study to identify trends across the country in code enforcement that may be responding to the changed nature of modern construction as well as a further review of the necessary skills sets to perform code enforcement today for possible changes to certification requirements. We plan to commission a study which we hope to have completed by next year to inform our review.

Are there any changes the Board would like to see implemented?

Not at this time. Awaiting completion of certification study for further discussion.

Surrounding state comparison (LSC)

| Building Plans Examiner (Building Plans Examiner, Building Plans Examiner Trainee, and Interim Building Plans Examiner) | | | | | | |
|--|--|---|----------------------|---|---|---|
| | Ohio | Indiana | Kentucky | Michigan | Pennsylvania | West Virginia |
| License required? | Certification (<i>R.C. 3781.10(E); O.A.C. 4101:7-3-01(A)(11), (12), and (13)</i>). | Qualified plan reviewer (<i>675 Ind. Admin. Code 12-7-2</i>). | No clear equivalent. | Building plan reviewer registration (<i>Mich. Comp. Laws 339.6009</i>). | Building plans examiner certification (<i>34 Pa. Code 401.3 and 401.6</i>). | Building plans examiner certification (<i>W. Va. Code R. 87-7-3</i>). |

Building Plans Examiner (*Building Plans Examiner, Building Plans Examiner Trainee, and Interim Building Plans Examiner*)

| | Ohio | Indiana | Kentucky | Michigan | Pennsylvania | West Virginia |
|-----------------------|-------------------|---------|----------|---|--------------|---------------|
| Education or training | See "Experience." | N/A | N/A | Complete training in all of the following: <ul style="list-style-type: none"> ▪ At least four hours in administration and enforcement of statutes and regulations; ▪ At least one hour in communication skills; ▪ At least eight hours in technical code provisions; ▪ At least two hours in plan review; and ▪ At least three hours of specialty training based | N/A | N/A |

Building Plans Examiner (*Building Plans Examiner, Building Plans Examiner Trainee, and Interim Building Plans Examiner*)

| | Ohio | Indiana | Kentucky | Michigan | Pennsylvania | West Virginia |
|------------|--|---------|----------|--|--------------|---------------|
| | | | | on classification. <i>(Mich. Admin. Code R. 408.30031.)</i> | | |
| Experience | <p>For a building plans examiner or interim building plans examiner, one of the following:</p> <ul style="list-style-type: none"> ▪ Registered architect or engineer; ▪ At least five years of experience as a full-time building inspector in a certified nonresidential building department; or ▪ At least ten years of experience as | N/A | N/A | <p>At least four years of experience as a residential builder, structural contractor, structural mason, structural steel erector, structural concrete contractor, project manager, building inspector, plan reviewer, architect, or engineer.</p> <p>At least two years of experience as a licensed electrical journey worker or licensed as a master electrician.</p> | N/A | N/A |

Building Plans Examiner (*Building Plans Examiner, Building Plans Examiner Trainee, and Interim Building Plans Examiner*)

| | Ohio | Indiana | Kentucky | Michigan | Pennsylvania | West Virginia |
|--|--|---------|----------|--|--------------|---------------|
| | <p>a full-time skilled tradesperson for structural carpentry, masonry, steel erection, or concrete construction work subject to inspection.</p> <p><i>(O.A.C. 4101:7-3-01(E)(6).)</i></p> <p>A building plans examiner trainee must be a full-time employee of a political subdivision under the direct supervision of a trainee supervisor and one of the following:</p> <ul style="list-style-type: none"> ▪ Graduate an accredited university engineering or | | | <p>Possess a mechanical license for at least one year.</p> <p>At least two years of experience as a plumbing journeyman.</p> <p>A four-year degree in a construction-related field may be substituted for up to two years of experience. A two-year degree in a construction-related field may be substituted for up to one year of experience.</p> <p>Registration is “provisional” until second three-year registration cycle.</p> <p><i>(Mich. Admin. Code R.</i></p> | | |

Building Plans Examiner (*Building Plans Examiner, Building Plans Examiner Trainee, and Interim Building Plans Examiner*)

| | Ohio | Indiana | Kentucky | Michigan | Pennsylvania | West Virginia |
|--|--|---------|----------|------------------------------|--------------|---------------|
| | architecture program; <ul style="list-style-type: none"> ▪ One year of experience as a full-time building inspector, fire protection inspector, plumbing inspector, electrical safety inspector, or mechanical inspector in a certified nonresidential building department; ▪ One year of experience as a full-time residential building official, residential plans examiner, residential | | | 408.30049 and 408.30031.) | | |

Building Plans Examiner (*Building Plans Examiner, Building Plans Examiner Trainee, and Interim Building Plans Examiner*)

| | Ohio | Indiana | Kentucky | Michigan | Pennsylvania | West Virginia |
|--|--|---------|----------|----------|--------------|---------------|
| | building inspector, or residential mechanical inspector in a certified residential building department; <ul style="list-style-type: none"> ▪ One year of experience as a full-time designer working under the direct supervision of a design professional preparing construction documents; or ▪ Complete an approved vocational or technical education program. | | | | | |

Building Plans Examiner (*Building Plans Examiner, Building Plans Examiner Trainee, and Interim Building Plans Examiner*)

| | Ohio | Indiana | Kentucky | Michigan | Pennsylvania | West Virginia |
|------|--|--|----------|----------|--|---|
| | <i>(O.A.C. 4101:7-3-01 (F)(5)(iv) and (F)(6).)</i> | | | | | |
| Exam | <p>For a building plans examiner, select exam modules administered by NCPCCI or ICC. <i>(O.A.C. 4101:7-3-01(F)(1)(d)).</i></p> <p>For a building plans examiner trainee, exam modules must be completed within allotted time of the trainee program.</p> <p>One-time interim building plans examiner certificate may be issued to applicants who meet education and experience requirements but have not</p> | <p>Score 75% or better on select modules administered by ICC <i>(675 Ind. Admin. Code 12-7-4).</i></p> | N/A | N/A | <p>Select modules administered by NCPCCI or ICC. <i>(34 Pa. Code 401.6).</i></p> | <p>Select exam modules administered by ICC. Exam is waived for licensed architects and engineers. Two-year probationary certification is available to individuals who have not yet passed the exam. <i>(W. Va. Code R. 87-7-3 and 6.)</i></p> |

Building Plans Examiner (*Building Plans Examiner, Building Plans Examiner Trainee, and Interim Building Plans Examiner*)

| | Ohio | Indiana | Kentucky | Michigan | Pennsylvania | West Virginia |
|----------------------|---|---------|----------|--|---|---|
| | completed the required examination. (O.A.C. 4101:7-3-01(F)(2)(a)(i).) | | | | | |
| Continuing education | Complete “Ohio Building Code Academy” requirements during initial certification period (O.A.C. 4101:7-3-01(F)(4)(a)(i)). 30 hours every subsequent three-year certification period, including three hours dedicated to code administration, three hours dedicated to existing buildings, and one hour dedicated to ethics (O.A.C. 4101:7-3-01(F)(4)(a)(ii)). | N/A | N/A | 47 hours every three years (Mich. Admin. Code R. 408.30055). | 15 hours every three years (34 Pa. Code 401.9). | 15 hours every three years (W. Va. Code R. 87-7-4). |

Building Plans Examiner (*Building Plans Examiner, Building Plans Examiner Trainee, and Interim Building Plans Examiner*)

| | Ohio | Indiana | Kentucky | Michigan | Pennsylvania | West Virginia |
|-----------------------|--|---------|----------|---|---|---|
| Initial licensure fee | \$50 (<i>O.A.C. 4101:7-3-01(F)</i>). | N/A | N/A | \$75 (<i>LARA, Application for Registration of Building Officials, Inspectors, and Plan Reviewers</i>). | \$50 (<i>34 Pa. Code 401.2</i>). | \$75 (<i>W. Va. Code R. 87-7-3</i>). |
| License duration | Three years for a building plans examiner. Six years for a building plans examiner trainee. Two years or an interim building plans examiner. (<i>O.A.C. 4101:7-3-01(F)(2)(a)(i) and (ii) and (F)(5)(d)</i> .) | N/A | N/A | Three years (<i>Mich. Admin. Code R. 408.30031</i>). | Three years (<i>34 Pa. Code 401.4</i>). | Three years (<i>W. Va. Code R. 87-7-5</i>). |
| Renewal fee | \$30 (<i>O.A.C. 4101:7-3-01(F)(2)(c)</i>). | N/A | N/A | \$75 (<i>LARA, Application for Registration of Building Officials, Inspectors, and Plan Reviewers</i>). | \$50 (<i>34 Pa. Code 401.2</i>). | \$75 (<i>W. Va. Code R. 87-7-5</i>). |

Electrical plans examiner

Survey responses (COM)

| Description |
|--|
| An electrical plans examiner is responsible for the examination of construction documents related to electrical systems. |

| Type <i>(License, specialty license for medical reimbursement, government certification, registration, bonding or insurance, inspection, or process regulation. See R.C. 4798.01 for relevant definitions.)</i> |
|---|
| License |

| If the regulation is a registration, certification, or license requirement, please complete the following: | |
|--|------------------|
| Number issued annually | Approximately 25 |
| Number renewed annually | Approximately 25 |

| If the regulation is a registration, certification, or license requirement, please complete the following: | |
|--|--|
| Have there been significant increases or decreases in active registrations, certifications or licenses in the preceding six years? | No significant increase/decrease in last 6 years. |
| Education or training requirements | Completion of Board-sponsored code academy during interim certification (free online or in-person training offered twice per year) |
| Experience requirements | 10 years experience relevant construction experience or 5 years experience certified electrical safety inspector or registered design profession; less for individuals entering as trainee |
| Examination requirements (<i>Who administers the exam? How is the exam and administrator selected? What fees are charged? Does the Board receive any proceeds of those fees? If so, how are the proceeds used?</i>) | International Code Council (ICC) – E3 or National Certification Program for Construction Code Inspectors (NCPCCI) – 2C Examination costs \$240. The Board’s examination requirements align with requirements for certification issued by International Code Council, therefore the Board only recognizes these exams and does not set fees, etc. |
| Continuing education requirements (<i>Including a description of the curriculum and the process of setting it.</i>) | 30 hours of Board-approved continuing education |
| Initial fee | \$50 |
| Duration | 2-year interim, then 3-year renewal period |
| Renewal fee (<i>If different from initial fee, please explain why.</i>) | \$30 |

If the regulation is a registration, certification, or license requirement, please complete the following:

| | |
|---|--|
| <p>Does the Board recognize uniform licensure requirements or allow for reciprocity?</p> | <p>Yes, the Board’s examination requirements align with requirements for certification issued by International Code Council, a certification recognized by many jurisdiction across the country.</p> |
| <p>Are there any similar national registrations, certifications, or licenses? Could they be used as a substitute for the state regulation?</p> | <p>Yes, see above. The Board’s certification requires minimal level of relevant experience in construction in addition to testing to qualify for certification.</p> |
| <p>Are there any circumstances in which an individual may practice elements of the occupation without being regulated by the Board?</p> | <p>No</p> |
| <p>Is the Board permitted to exercise discretion in determining whether to register, certify, or license an individual?</p> | <p>Yes, the Board recognizes other equivalent experience to qualify for certification.</p> |
| <p>Other information (<i>Significant attributes or prerequisites to licensure not addressed in this chart.</i>)</p> | <p>Optional certification; If a building department does not have a electrical plans examiner, master plans examiner can perform duties</p> |

Oversight and disciplinary authority of the Board respecting individuals engaged in the occupation.

See OAC 4101:7-3-01(F)(7) discussed above.

How much revenue is derived from fees charged by the Board to individuals engaged in the occupation (such as license and renewal fees)? How is that revenue used?

The revenue collected from fees charged for personnel certification/renewal is minimal. The Board collected approximately \$87,339/per year from certification fees. See budget/revenue information discussed above.

Describe any federal regulations that apply to the occupation. Does federal law require the state to regulate the occupation?

N/A

What is the harm that the regulation seeks to prevent? (See, R.C. 4798.02(B).)

Review and inspection of Ohio's built environment by qualified individuals is fundamental to safety of its occupants and the protection of property. The codes enforced by Board-certified personnel adopted by the Board are based on international consensus-based standards developed and updated by the International Code Council (ICC). Most states use ICC's model codes as the basis for their building codes, but code requirements are only as good and effective as the individual(s) charged with their interpretation, application and enforcement.

Is the regulation effective at preventing the harm described above? Are there other, less restrictive ways to prevent the harm?

Yes, the Board’s certification program ensures accountability and uniformity in the interpretation and application of the building codes resulting in savings of both building owner’s time and money. However, the Board recently determined to perform an in-depth study to identify trends across the country in code enforcement that may be responding to the changed nature of modern construction as well as a further review of the necessary skills sets to perform code enforcement today for possible changes to certification requirements. We plan to commission a study which we hope to have completed by next year to inform our review.

Are there any changes the Board would like to see implemented?

Not at this time. Awaiting completion of certification study for further discussion.

Surrounding state comparison (LSC)

| Electrical Plans Examiner (Electrical Plans Examiner, Electrical Plans Examiner Trainee, and Interim Electrical Plans Examiner) | | | | | | |
|--|--|----------------------|----------------------|---|---|---|
| | Ohio | Indiana | Kentucky | Michigan | Pennsylvania | West Virginia |
| License required? | Certification (<i>R.C. 3781.10(E); O.A.C. 4101:7-3-01(A)(14), (15), and (16)</i>). | No clear equivalent. | No clear equivalent. | No clear equivalent. Duties appear to be included in building plan reviewer registration. | Electrical plans examiner certification (<i>34 Pa. Code 401.3 and 401.6</i>). | Electrical plans examiner certification (<i>W. Va. Code R. 87-7-3</i>). |

Electrical Plans Examiner (*Electrical Plans Examiner, Electrical Plans Examiner Trainee, and Interim Electrical Plans Examiner*)

| | Ohio | Indiana | Kentucky | Michigan | Pennsylvania | West Virginia |
|-----------------------|--|---------|----------|----------|--------------|---------------|
| Education or training | See "Experience." | N/A | N/A | N/A | N/A | N/A |
| Experience | <p>For an electrical plans examiner or interim electrical plans examiner, one of the following:</p> <ul style="list-style-type: none"> ▪ Registered architect or engineer; ▪ At least five years of experience as a full-time electrical safety inspector in a certified building department or the Ohio Department of Commerce; or ▪ At least ten years of experience as | N/A | N/A | N/A | N/A | N/A |

Electrical Plans Examiner (*Electrical Plans Examiner, Electrical Plans Examiner Trainee, and Interim Electrical Plans Examiner*)

| | Ohio | Indiana | Kentucky | Michigan | Pennsylvania | West Virginia |
|--|--|---------|----------|----------|--------------|---------------|
| | <p>a full-time journeyman electrician installing electrical systems subject to inspection.</p> <p><i>(O.A.C. 4101:7-3-01(E)(7).)</i></p> <p>An electrical plans examiner trainee must be a full-time employee of a political subdivision under the direct supervision of a trainee supervisor and one of the following:</p> <ul style="list-style-type: none"> ▪ Graduate an accredited university engineering or architecture program; | | | | | |

Electrical Plans Examiner (*Electrical Plans Examiner, Electrical Plans Examiner Trainee, and Interim Electrical Plans Examiner*)

| | Ohio | Indiana | Kentucky | Michigan | Pennsylvania | West Virginia |
|--|---|---------|----------|----------|--------------|---------------|
| | <ul style="list-style-type: none"> ▪ One year of experience as a full-time building inspector, fire protection inspector, plumbing inspector, electrical safety inspector, or mechanical inspector in a certified nonresidential building department; ▪ One year of experience as a full-time residential building official, residential plans examiner, residential building inspector, or | | | | | |

Electrical Plans Examiner (*Electrical Plans Examiner, Electrical Plans Examiner Trainee, and Interim Electrical Plans Examiner*)

| | Ohio | Indiana | Kentucky | Michigan | Pennsylvania | West Virginia |
|--|---|---------|----------|----------|--------------|---------------|
| | residential mechanical inspector in a certified residential building department; <ul style="list-style-type: none"> ▪ One year of experience as a full-time designer working under the direct supervision of a design professional preparing construction documents; or ▪ Complete an approved vocational or technical education program. | | | | | |

Electrical Plans Examiner (*Electrical Plans Examiner, Electrical Plans Examiner Trainee, and Interim Electrical Plans Examiner*)

| | Ohio | Indiana | Kentucky | Michigan | Pennsylvania | West Virginia |
|------|---|---------|----------|----------|--|--|
| | <i>(O.A.C. 4101:7-3-01 (F)(5)(iv) and (F)(6).)</i> | | | | | |
| Exam | <p>For an electrical plans examiner, select exam modules administered by NCPCCI or ICC (<i>O.A.C. 4101:7-3-01(F)(1)(d)</i>).</p> <p>For an electrical plans examiner trainee, exam modules must be completed within allotted time of the trainee program.</p> <p>One-time interim electrical plans examiner certificate may be issued to applicants who meet education and experience requirements but have not</p> | N/A | N/A | N/A | Select modules administered by NCPCCI or ICC (<i>34 Pa. Code 401.6</i>). | Select exam modules administered by ICC. Exam is waived for licensed architects and engineers. Two-year probationary certification is available to individuals who have not yet passed the exam. (<i>W. Va. Code R. 87-7-3 and 6.</i>) |

Electrical Plans Examiner (*Electrical Plans Examiner, Electrical Plans Examiner Trainee, and Interim Electrical Plans Examiner*)

| | Ohio | Indiana | Kentucky | Michigan | Pennsylvania | West Virginia |
|----------------------|---|---------|----------|----------|---|---|
| | completed the required examination. (O.A.C. 4101:7-3-01(F)(2)(a)(i).) | | | | | |
| Continuing education | Complete “Ohio Building Code Academy” requirements during initial certification period (O.A.C. 4101:7-3-01(F)(4)(a)(i)). 30 hours for every subsequent three-year certification period, including three hours dedicated to code administration, three hours dedicated to existing buildings, and one hour dedicated to ethics (O.A.C. 4101:7-3-01(F)(4)(a)(ii)). | N/A | N/A | N/A | 15 hours every three years (34 Pa. Code 401.9). | 15 hours every three years (W. Va. Code R. 87-7-4). |

Electrical Plans Examiner (*Electrical Plans Examiner, Electrical Plans Examiner Trainee, and Interim Electrical Plans Examiner*)

| | Ohio | Indiana | Kentucky | Michigan | Pennsylvania | West Virginia |
|-----------------------|--|---------|----------|----------|---|---|
| Initial licensure fee | \$50 (<i>O.A.C. 4101:7-3-01(F)</i>). | N/A | N/A | N/A | \$50 (<i>34 Pa. Code 401.2</i>). | \$75 (<i>W. Va. Code R. 87-7-3</i>). |
| License duration | Three years for an electrical plans examiner. Six years for an electrical plans examiner trainee. Two years for an interim electrical plans examiner. <i>(O.A.C. 4101:7-3-01(F)(2)(a)(i) and (ii) and (F)(5)(d).)</i> | N/A | N/A | N/A | Three years (<i>34 Pa. Code 401.4</i>). | Three years (<i>W. Va. Code R. 87-7-5</i>). |
| Renewal fee | \$30 (<i>O.A.C. 4101:7-3-01(F)(2)(c)</i>). | N/A | N/A | N/A | \$50 (<i>34 Pa. Code 401.2</i>). | \$75 (<i>W. Va. Code R. 87-7-5</i>). |

Electrical safety inspector

Survey responses (COM)

| Description |
|---|
| An electrical safety inspector is responsible for determining electrical systems compliance with approved construction documents. |

| Type (License, specialty license for medical reimbursement, government certification, registration, bonding or insurance, inspection, or process regulation. See R.C. 4798.01 for relevant definitions.) |
|--|
| License |

| If the regulation is a registration, certification, or license requirement, please complete the following: | |
|--|-------------------|
| Number issued annually | Approximately 25 |
| Number renewed annually | Approximately 200 |

| If the regulation is a registration, certification, or license requirement, please complete the following: | |
|--|--|
| Have there been significant increases or decreases in active registrations, certifications or licenses in the preceding six years? | No significant increase/decrease in last 6 years. |
| Education or training requirements | Completion of Board-sponsored code academy during interim certification (free online or in-person training offered twice per year) |
| Experience requirements | 6 years experience relevant construction experience or registered electrical engineer; less for individuals entering as trainee |
| Examination requirements (<i>Who administers the exam? How is the exam and administrator selected? What fees are charged? Does the Board receive any proceeds of those fees? If so, how are the proceeds used?</i>) | International Code Council (ICC) – E1, E2 or National Certification Program for Construction Code Inspectors (NCPCCI) – 2A, 2B Examination costs \$240. The Board’s examination requirements align with requirements for certification issued by International Code Council, therefore the Board only recognizes these exams and does not set fees, etc. |
| Continuing education requirements (<i>Including a description of the curriculum and the process of setting it.</i>) | 30 hours of Board-approved continuing education |
| Initial fee | \$50 |
| Duration | 2-year interim, then 3-year renewal period |
| Renewal fee (<i>If different from initial fee, please explain why.</i>) | \$30 |

If the regulation is a registration, certification, or license requirement, please complete the following:

| | |
|---|---|
| <p>Does the Board recognize uniform licensure requirements or allow for reciprocity?</p> | <p>Yes, the Board's examination requirements align with requirements for certification issued by International Code Council, a certification recognized by many jurisdiction across the country.</p> |
| <p>Are there any similar national registrations, certifications, or licenses? Could they be used as a substitute for the state regulation?</p> | <p>Yes, see above. The Board's certification requires minimal level of relevant experience in construction in addition to testing to qualify for certification.</p> |
| <p>Are there any circumstances in which an individual may practice elements of the occupation without being regulated by the Board?</p> | <p>No</p> |
| <p>Is the Board permitted to exercise discretion in determining whether to register, certify, or license an individual?</p> | <p>While the Board recognizes other equivalent experience to qualify for all other certification, its discretion is limited for electrical safety inspectors since the requirements are statutory</p> |
| <p>Other information <i>(Significant attributes or prerequisites to licensure not addressed in this chart.)</i></p> | |

Oversight and disciplinary authority of the Board respecting individuals engaged in the occupation.

See OAC 4101:7-3-01(F)(7) discussed above.

How much revenue is derived from fees charged by the Board to individuals engaged in the occupation (such as license and renewal fees)? How is that revenue used?

The revenue collected from fees charged for personnel certification/renewal is minimal. The Board collected approximately \$87,339/per year from certification fees. See budget/revenue information discussed above.

Describe any federal regulations that apply to the occupation. Does federal law require the state to regulate the occupation?

N/A

What is the harm that the regulation seeks to prevent? (See, R.C. 4798.02(B).)

Review and inspection of Ohio's built environment by qualified individuals is fundamental to safety of its occupants and the protection of property. The codes enforced by Board-certified personnel adopted by the Board are based on international consensus-based standards developed and updated by the International Code Council (ICC). Most states use ICC's model codes as the basis for their building codes, but code requirements are only as good and effective as the individual(s) charged with their interpretation, application and enforcement.

Is the regulation effective at preventing the harm described above? Are there other, less restrictive ways to prevent the harm?

Yes, the Board’s certification program ensures accountability and uniformity in the interpretation and application of the building codes resulting in savings of both building owner’s time and money. However, the Board recently determined to perform an in-depth study to identify trends across the country in code enforcement that may be responding to the changed nature of modern construction as well as a further review of the necessary skills sets to perform code enforcement today for possible changes to certification requirements. We plan to commission a study which we hope to have completed by next year to inform our review.

Are there any changes the Board would like to see implemented?

Not at this time. Awaiting completion of certification study for further discussion.

Surrounding state comparison (LSC)

| Electrical Safety Inspector (<i>Electrical Safety Inspector and Electrical Safety Inspector Trainee</i>) | | | | | | |
|--|--|---|--|--|--|--|
| | Ohio | Indiana | Kentucky | Michigan | Pennsylvania | West Virginia |
| License required? | Certification (<i>R.C. 3781.10; O.A.C. 4101:7-3-01(A)(40) and (41)</i>). | No clear equivalent. Local regulations apply. (<i>Ind. Code 36-7-8-6.</i>). | Electrical inspector one and two family and electrical inspector general (<i>815 Ky. Admin. Regs. 35:015</i>). | Electrical inspector registration (<i>Mich. Admin. Code R. 408.30031</i>). | Electrical inspector certification (<i>34 Pa. Code 401.3</i>). | Residential electrical inspector or commercial electrical inspector certification (<i>W. Va. Code 87-7-3</i>). |

Electrical Safety Inspector (*Electrical Safety Inspector and Electrical Safety Inspector Trainee*)

| | Ohio | Indiana | Kentucky | Michigan | Pennsylvania | West Virginia |
|-----------------------|-------------------|---------|--|---|--------------|---------------|
| Education or training | See "Experience." | N/A | Must have ability to read and write in English and a general education level deemed adequate to perform duties (<i>815 Ky. Admin. Regs. 35:015</i>). | Complete training in all of the following: <ul style="list-style-type: none"> ▪ At least four hours in administration and enforcement of statutes and regulations; ▪ At least one hour in communication skills; ▪ At least eight hours in technical code provisions; ▪ At least two hours in plan review; and ▪ At least three hours of specialty training based | N/A | N/A |

Electrical Safety Inspector (*Electrical Safety Inspector and Electrical Safety Inspector Trainee*)

| | Ohio | Indiana | Kentucky | Michigan | Pennsylvania | West Virginia |
|------------|--|---------|---|---|--------------|---|
| | | | | on classification. <i>(Mich. Admin. Code R. 408.30031.)</i> | | |
| Experience | <p>For an electrical safety inspector, one of the following:</p> <ul style="list-style-type: none"> ▪ Four years of experience as a journeyman electrician, two years as an electrical foreman, and two years as an electrical safety inspector trainee; ▪ Four years of experience as a journeyman electrician and three years as an electrical | N/A | <p>For an electrical inspector one or two family, one of the following:</p> <ul style="list-style-type: none"> ▪ At least four years of experience in the installation and design of residential wiring systems; ▪ At least three years of experience as a registered professional electrical engineer; or ▪ Currently licensed as a master electrician. | <p>At least two years of experience as a licensed journey worker or licensed as a master electrician.</p> <p>Registration is “provisional” until the second three-year registration cycle. <i>(Mich. Admin. Code R. 408.30031 and 408.30040.)</i></p> | N/A | <p>Valid West Virginia master electrician’s license <i>(W. Va. Code R. 87-7-3)</i>.</p> |

Electrical Safety Inspector (*Electrical Safety Inspector and Electrical Safety Inspector Trainee*)

| | Ohio | Indiana | Kentucky | Michigan | Pennsylvania | West Virginia |
|--|---|---------|---|----------|--------------|---------------|
| | <p>safety inspector trainee;</p> <ul style="list-style-type: none"> ▪ Four years of experience as an electrical safety inspector trainee; ▪ Six years of experience as a journeyman electrician; or ▪ Registered electrical engineer. <p><i>(O.A.C. 4101:7-3-01(E)(17).)</i></p> <p>For an electrical safety inspector trainee, at least two years of experience in the installation of electrical systems subject to inspection or completion of an</p> | | <p>For an electrical inspector general, one of the following:</p> <ul style="list-style-type: none"> ▪ At least eight years of experience in the installation and design of residential, commercial, and industrial wiring systems; ▪ At least three years of experience as a registered professional electrical engineer; or ▪ Currently licensed as a master electrician. <p><i>(815 Ky. Admin. Regs. 35:015.)</i></p> | | | |

Electrical Safety Inspector (*Electrical Safety Inspector and Electrical Safety Inspector Trainee*)

| | Ohio | Indiana | Kentucky | Michigan | Pennsylvania | West Virginia |
|------|--|---------|---|----------|---|---|
| | approved vocational or technical education program (<i>O.A.C. 4101:7-3-01(F)(5)(ix) and (vii) and (F)(6)</i>). | | | | | |
| Exam | Select exam modules administered by the NCPCCI or the ICC (<i>O.A.C. 4101:7-3-01(F)(1)(d)</i>). | N/A | For an electrical inspector one or two family, scored 70% or better on an examination focused on electrical installations in one or two family dwellings. For an electrical inspector general, scored 70% or better on an examination focused on electrical installations in residential, commercial, and industrial | N/A | Select exam modules administered by NCPCCI or ICC. May be waived if evidence of commensurate qualification is provided. (<i>34 Pa. Code 401.5 and 401.6.</i>) | Select exam modules administered by ICC. Exam is waived for licensed architects and engineers. Two-year probationary certification is available for individuals who have not yet passed the exam. (<i>W. Va. Code R. 87-7-3 and 6.</i>) |

Electrical Safety Inspector (*Electrical Safety Inspector and Electrical Safety Inspector Trainee*)

| | Ohio | Indiana | Kentucky | Michigan | Pennsylvania | West Virginia |
|----------------------|---|---------|--|--|---|---|
| | | | buildings. (815 Ky. Admin. Regs. 35:015.) | | | |
| Continuing education | Complete "Ohio Building Code Academy" requirements during initial certification period (O.A.C. 4101:7-3-01(F)(4)(a)(i)). 30 hours every subsequent three-year certification period, including three hours dedicated to code administration, three hours dedicated to existing buildings, and one hour dedicated to ethics (O.A.C. 4101:7-3-01(F)(4)(a)(ii)). | N/A | 12 hours annually (815 Ky. Admin. Regs. 35:015). | 47 hours every three years (Mich. Admin. Code R. 408.30055). | 15 hours every three years (34 Pa. Code 401.9). | 15 hours every three years (W. Va. Code R. 87-7-4). |

Electrical Safety Inspector (*Electrical Safety Inspector and Electrical Safety Inspector Trainee*)

| | Ohio | Indiana | Kentucky | Michigan | Pennsylvania | West Virginia |
|-----------------------|---|---------|--|---|--|---|
| Initial licensure fee | \$50 (<i>O.A.C. 4101:7-03-01(F)</i>). | N/A | \$100 (<i>815 Ky. Admin. Regs. 35:015</i>). | \$75 (<i>LARA, Application for Registration of Building Officials, Inspectors, and Plan Reviewers</i>). | \$50 (<i>34 Pa. Code 401.2</i>). | \$75 (<i>W. Va. Code R. 87-7-3</i>). |
| License duration | Three years for an electrical safety inspector. Six years for an electrical safety inspector trainee. (<i>O.A.C. 4101:7-3-01(F)(2)(a)(i) and (ii) and (F)(5)(d)</i> .) | N/A | One year (<i>815 Ky. Admin. Regs. 35:015</i>). | Three years (<i>Mich. Admin. Code R. 408.30052</i>). | Three years (<i>34 Pa. Code 401.4(e)</i>). | Three years (<i>W. Va. Code R. 87-7-5</i>). |
| Renewal fee | \$30 (<i>O.A.C. 4101:7-03-01(F)(2)(c)</i>). | N/A | \$50 (<i>815 Ky. Admin. Regs. 35:015</i>). | \$75 (<i>LARA, Application for Registration of Building Officials, Inspectors, and Plan Reviewers</i>). | \$50 (<i>34 Pa. Code 401.2</i>). | \$75 (<i>W. Va. Code R. 87-7-5</i>). |

Fire alarm system designer

Survey responses (COM)

| Description |
|--------------------------------|
| Designer of fire alarm systems |

| Type <i>(License, specialty license for medical reimbursement, government certification, registration, bonding or insurance, inspection, or process regulation. See R.C. 4798.01 for relevant definitions.)</i> |
|---|
| License |

| If the regulation is a registration, certification, or license requirement, please complete the following: | |
|--|-------------------|
| Number issued annually | Approximately 10 |
| Number renewed annually | Approximately 350 |

| If the regulation is a registration, certification, or license requirement, please complete the following: | |
|--|---|
| Have there been significant increases or decreases in active registrations, certifications or licenses in the preceding six years? | No significant increase/decrease in last 6 years. |
| Education or training requirements | Certification by National Institute for Certification in Engineering Technologies (NICET) Level III IV certification. |
| Experience requirements | N/A |
| Examination requirements (<i>Who administers the exam? How is the exam and administrator selected? What fees are charged? Does the Board receive any proceeds of those fees? If so, how are the proceeds used?</i>) | N/A |
| Continuing education requirements (<i>Including a description of the curriculum and the process of setting it.</i>) | Maintain NICET |
| Initial fee | \$100 |
| Duration | 1 year |
| Renewal fee (<i>If different from initial fee, please explain why.</i>) | \$100 |

If the regulation is a registration, certification, or license requirement, please complete the following:

| | |
|---|--|
| <p>Does the Board recognize uniform licensure requirements or allow for reciprocity?</p> | <p>Yes, NICET certification</p> |
| <p>Are there any similar national registrations, certifications, or licenses? Could they be used as a substitute for the state regulation?</p> | <p>Yes, NICET certification</p> |
| <p>Are there any circumstances in which an individual may practice elements of the occupation without being regulated by the Board?</p> | <p>No, unless registered design professional</p> |
| <p>Is the Board permitted to exercise discretion in determining whether to register, certify, or license an individual?</p> | <p>No, NICET required</p> |
| <p>Other information <i>(Significant attributes or prerequisites to licensure not addressed in this chart.)</i></p> | |

Oversight and disciplinary authority of the Board respecting individuals engaged in the occupation.

See OAC 4101:7-3-01(F)(7) discussed above.

**How much revenue is derived from fees charged by the Board to individuals engaged in the occupation (such as license and renewal fees)?
How is that revenue used?**

The revenue collected from fees charged for personnel certification/renewal is minimal. The Board collected approximately \$87,339/per year from certification fees. See budget/revenue information discussed above.

Describe any federal regulations that apply to the occupation. Does federal law require the state to regulate the occupation?

N/A

What is the harm that the regulation seeks to prevent? (See, R.C. 4798.02(B).)

Design of fire protection systems by competent individuals without being registered design professional.

Is the regulation effective at preventing the harm described above? Are there other, less restrictive ways to prevent the harm?

Yes, see below recommendation for changes.

Are there any changes the Board would like to see implemented?

As part of this review, the Committee may consider amending Revised Code 3781.105 to eliminate the Ohio certification and require only a current appropriate (Level III or IV) NICET certification to perform fire protection system design in Ohio without being a design professional. But, as there is a small number of individuals that currently perform fire protection system design work under a Board certification issued prior to recognition of the NICET certification, we recommend that such proposed modification to the Revised Code keep these individuals in mind so they can continue to work without holding a NICET certification.

Surrounding state comparison (LSC)

| Fire Alarm System Designer | | | | | | |
|----------------------------|-------------------------------------|----------------------|----------------------|--|----------------------|----------------------|
| | Ohio | Indiana | Kentucky | Michigan | Pennsylvania | West Virginia |
| License required? | Certification (O.A.C. 4101:7-5-01). | No clear equivalent. | No clear equivalent. | Fire alarm specialty technician (Mich. Comp. Laws 339.5701). | No clear equivalent. | No clear equivalent. |

| Fire Alarm System Designer | | | | | | |
|----------------------------|--|---------|----------|---|--------------|---------------|
| | Ohio | Indiana | Kentucky | Michigan | Pennsylvania | West Virginia |
| Education or training | Current Level III or IV certification from the National Institute for Certification in Engineering Technologies (NICET) (O.A.C. 4101:7-5-01(B)(2)). | N/A | N/A | Current Level II certification from NICET as an associate engineering technician or an equivalent certification approved by the Electrical Administrative Board (Mich. Comp. Laws 339.5721). | N/A | N/A |
| Experience | None prescribed by state law, but NICET certification requires at least five years of experience (NICET, Fire Alarm Systems, Certification Requirements). | N/A | N/A | Must be at least 20 years of age. NICET certification requires at least two years of experience. (Mich. Comp. Laws 339.5721; NICET, Fire Alarm Systems, Certification Requirements .) | N/A | N/A |

| Fire Alarm System Designer | | | | | | |
|----------------------------|--|---------|----------|---|--------------|---------------|
| | Ohio | Indiana | Kentucky | Michigan | Pennsylvania | West Virginia |
| Exam | None prescribed by state law, but NICET certification requires passing an exam (<i>NICET, Fire Alarm Systems, Certification Requirements</i>). | N/A | N/A | None prescribed by state law, but NICET certification requires passing an exam (<i>NICET, Fire Alarm Systems, Certification Requirements</i>). | N/A | N/A |
| Continuing education | None prescribed by state law, but renewal of NICET certification requires professional develop hours (<i>NICET, Fire Alarm Systems, Certification Requirements</i>). | N/A | N/A | Complete a board-approved course concerning any updates or changes to the state construction code within 12 months of any such update or change (<i>Mich. Comp. Laws 339.5721</i>). | N/A | N/A |
| Initial licensure fee | \$150 (<i>O.A.C. 4101:7-5-01(B)(2)</i>). | N/A | N/A | \$50 (<i>Mich. Comp. Laws 339.5707</i>). | N/A | N/A |
| License duration | One year (<i>O.A.C. 4101:7-5-01(D)</i>). | N/A | N/A | One year (<i>Mich. Comp. Laws 339.5707</i>). | N/A | N/A |

| Fire Alarm System Designer | | | | | | |
|----------------------------|---|---------|----------|--|--------------|---------------|
| | Ohio | Indiana | Kentucky | Michigan | Pennsylvania | West Virginia |
| Renewal fee | \$100 (<i>O.A.C. 4101:7-3-01(F)(2)(c)</i>). | N/A | N/A | \$50 (<i>Mich. Comp. Laws 339.5707</i>). | N/A | N/A |

Fire protection inspector

Survey responses (COM)

| Description |
|---|
| A fire protection inspector is responsible for determining compliance with approved construction documents for fire protection systems (automatic sprinkler systems, alternative automatic fire-extinguishing systems, standpipe systems, fire alarm and detection systems, and fire pump). |
| Type (<i>License, specialty license for medical reimbursement, government certification, registration, bonding or insurance, inspection, or process regulation. See R.C. 4798.01 for relevant definitions.</i>) |
| License |

| If the regulation is a registration, certification, or license requirement, please complete the following: | |
|--|--|
| Number issued annually | Approximately 10 |
| Number renewed annually | Approximately 30 |
| Have there been significant increases or decreases in active registrations, certifications or licenses in the preceding six years? | No significant increase/decrease in last 6 years. |
| Education or training requirements | Completion of Board-sponsored code academy during interim certification (free online or in-person training offered twice per year) |
| Experience requirements | 5 years experience as fire safety inspector or fire protection system installer; less for individuals entering as trainee |
| Examination requirements (<i>Who administers the exam? How is the exam and administrator selected? What fees are charged? Does the Board receive any proceeds of those fees? If so, how are the proceeds used?</i>) | International Code Council (ICC) – CA, CF or National Certification Program for Construction Code Inspectors (NCPCCI) – 1B, 3B Examination costs \$240. The Board’s examination requirements align with requirements for certification issued by International Code Council, therefore the Board only recognizes these exams and does not set fees, etc. |
| Continuing education requirements (<i>Including a description of the curriculum and the process of setting it.</i>) | 30 hours of Board-approved continuing education |
| Initial fee | \$50 |
| Duration | 2-year interim, then 3-year renewal period |

| If the regulation is a registration, certification, or license requirement, please complete the following: | |
|--|---|
| Renewal fee <i>(If different from initial fee, please explain why.)</i> | \$30 |
| Does the Board recognize uniform licensure requirements or allow for reciprocity? | Yes, the Board's examination requirements align with requirements for certification issued by International Code Council, a certification recognized by many jurisdiction across the country. |
| Are there any similar national registrations, certifications, or licenses? Could they be used as a substitute for the state regulation? | Yes, see above. The Board's certification requires minimal level of relevant experience in construction in addition to testing to qualify for certification. |
| Are there any circumstances in which an individual may practice elements of the occupation without being regulated by the Board? | No |
| Is the Board permitted to exercise discretion in determining whether to register, certify, or license an individual? | Yes, the Board recognizes other equivalent experience to qualify for certification. |
| Other information <i>(Significant attributes or prerequisites to licensure not addressed in this chart.)</i> | |

Oversight and disciplinary authority of the Board respecting individuals engaged in the occupation.

See OAC 4101:7-3-01(F)(7) discussed above.

**How much revenue is derived from fees charged by the Board to individuals engaged in the occupation (such as license and renewal fees)?
How is that revenue used?**

The revenue collected from fees charged for personnel certification/renewal is minimal. The Board collected approximately \$87,339/per year from certification fees. See budget/revenue information discussed above.

Describe any federal regulations that apply to the occupation. Does federal law require the state to regulate the occupation?

N/A

What is the harm that the regulation seeks to prevent? (See, R.C. 4798.02(B).)

Review and inspection of Ohio's built environment by qualified individuals is fundamental to safety of its occupants and the protection of property. The codes enforced by Board-certified personnel adopted by the Board are based on international consensus-based standards developed and updated by the International Code Council (ICC). Most states use ICC's model codes as the basis for their building codes, but code requirements are only as good and effective as the individual(s) charged with their interpretation, application and enforcement.

Is the regulation effective at preventing the harm described above? Are there other, less restrictive ways to prevent the harm?

Yes, the Board's certification program ensures accountability and uniformity in the interpretation and application of the building codes resulting in savings of both building owner's time and money. However, the Board recently determined to perform an in-depth study to identify trends across the country in code enforcement that may be responding to the changed nature of modern construction as well as a further review of the necessary skills sets to perform code enforcement today for possible changes to certification requirements. We plan to commission a study which we hope to have completed by next year to inform our review.

Are there any changes the Board would like to see implemented?

Not at this time. Awaiting completion of certification study for further discussion.

Surrounding state comparison (LSC)

| Fire Protection Inspector (<i>Fire Protection Inspector and Interim Fire Protection Inspector</i>) | | | | | | |
|--|---|----------------------|--|---|----------------------|----------------------|
| | Ohio | Indiana | Kentucky | Michigan | Pennsylvania | West Virginia |
| License required? | Certification (<i>R.C. 3781.10; O.A.C. 4101:7-3-01(A)(32) and (33)</i>). | No clear equivalent. | Certification of Sprinkler Systems Inspectors (<i>Ky. Rev. Stat. 198B.6401</i>) and Fire Alarm Systems Inspectors (<i>Ky. Rev. Stat. 227.300; 815 Ky. Admin. Regs. 10:060(7)(2)(e)</i>). | Registration (<i>Mich. Comp. Laws 339.6007, 339.6015, and 339.6019</i>). | No clear equivalent. | No clear equivalent. |
| Education or training | N/A | N/A | Yes, if using NICET certification in lieu of exam (<i>Ky. Rev. Stat. 198B.6401; 815 Ky. Admin. Regs. 10:060(7)(2)(e) (1)</i>). | National Fire Protection Association (NFPA) or ICC Fire Inspector I and II certification (<i>Mich. Comp. Laws 339.6019(3)</i>). | N/A | N/A |
| Experience | At least five years installing fire protection systems subject to inspection under a nonresidential | N/A | Within the five years preceding the application, no less than 1.5 years' experience in installation, | N/A | N/A | N/A |

Fire Protection Inspector (*Fire Protection Inspector and Interim Fire Protection Inspector*)

| | Ohio | Indiana | Kentucky | Michigan | Pennsylvania | West Virginia |
|------|---|---------|---|---|--------------|---------------|
| | building code or five years as a certified fire safety inspector or certified fire protection system designer (<i>O.A.C. 4101:7-3-01(E)(13)</i>). | | repair, or testing of fire alarm systems or sprinkler systems (<i>815 Ky. Admin. Regs. 10:060(7)(2)(e)(b); Initial Sprinkler Systems Inspector Certification Application, available here</i>). Must be 18 years of age for sprinkler systems inspector (<i>Ky. Rev. Stat. 198B.6401 (1)(a)</i>). | | | |
| Exam | For fire protection inspector, select exam modules administered by NCPCCI or ICC CA + CF (<i>O.A.C. 4101:7-3-013(F)(1)(d)</i>). One-time interim fire protection inspector | N/A | Yes, if not using NICET certification; must pass test administered by Department of Housing, Buildings and Construction for sprinkler systems or fire alarm systems (<i>Ky. Rev. Stat.</i> | Yes, as required for NFPA or ICC certification (<i>Mich. Comp. Laws 339.6019(3)</i>). | N/A | N/A |

Fire Protection Inspector (*Fire Protection Inspector and Interim Fire Protection Inspector*)

| | Ohio | Indiana | Kentucky | Michigan | Pennsylvania | West Virginia |
|----------------------|--|---------|---|---|--------------|---------------|
| | certificate may be issued to applicants who meet education and experience requirements but have not completed the required examination (<i>O.A.C. 4101:7-3-01(F)(2)(a)(i)</i>). | | <i>198B.6401; 815 Ky. Admin. Regs. 10:060(7)(2)(e)(1)</i>). | | | |
| Continuing education | Complete “Ohio Building Code Academy” during initial certification cycle (<i>O.A.C. 4104:7-3-01(F)(4)(a)(i)</i>). 30 hours every subsequent three-year certification period, including three hours dedicated to code administration, three hours dedicated to existing buildings, | N/A | Six hours within the 12 months before license renewal or current NICET certification for both sprinkler systems inspectors and fire alarm systems inspectors (<i>Ky. Rev. Stat. 198B.6405; 815 Ky. Admin. Regs. 10:060(7)(2)(e)(2)(d)</i>). | No prescribed continuing education, but NFPA and ICC certifications must be renewed every three years with continuing education requirements (<i>NFPA 3-Year Recertification Form, available here; ICC Certification Bulletin, available here</i>). | N/A | N/A |

Fire Protection Inspector (*Fire Protection Inspector and Interim Fire Protection Inspector*)

| | Ohio | Indiana | Kentucky | Michigan | Pennsylvania | West Virginia |
|-----------------------|---|---------|---|---|--------------|---------------|
| | and one hour dedicated to ethics (<i>O.A.C. 4101:7-3-01(F)(4)(a)(ii)</i>). | | | | | |
| Initial licensure fee | \$50 (<i>O.A.C. 4104:7-3-01(F)</i>). | N/A | \$50 for fire systems inspector (<i>815 Ky. Admin. Regs. 10:060(7)(2)(e)(1)(c)</i>). \$50 pro-rated fee for sprinkler systems inspector (<i>Certified Inspector Fee Schedule, available here</i>). | \$75 (<i>LARA, Application for Registration of Building Officials, Inspectors, and Plan Reviewers</i>). | N/A | N/A |
| License duration | Three years for a fire protection inspector. Two years for an interim fire protection inspector. | N/A | No less than seven months and no more than 18 months for sprinkler systems (<i>Ky. Rev. Stat. 198B.6405</i>). One year for fire alarm systems (<i>815 Ky. Admin.</i> | No prescribed duration, but NFPA and ICC certification must be renewed every three years (<i>NFPA 3-Year Recertification Form, available here; ICC</i> | N/A | N/A |

| Fire Protection Inspector (<i>Fire Protection Inspector and Interim Fire Protection Inspector</i>) | | | | | | |
|--|---|---------|---|--|--------------|---------------|
| | Ohio | Indiana | Kentucky | Michigan | Pennsylvania | West Virginia |
| | (O.A.C. 4104:7-3-01(F)(2)(a)(i) and (b).) | | Regs. 10:060 (7)(2)(e)(2)(b)). | Certification Bulletin, available here . | | |
| Renewal fee | \$30 (O.A.C. 4104:7-3-01(F)(2)(c)). | N/A | \$50 (Renewal Application for Sprinkler Systems Certification, available here ; 815 Ky. Admin. Regs. 10:060 (7)(2)(e)(2)(b)). | N/A | N/A | N/A |

Fire protection plans examiner

Survey responses (COM)

| Description |
|--|
| A fire protection plans examiner is responsible for the examination of construction documents related to fire protection systems (automatic sprinkler systems, alternative automatic fire-extinguishing systems, standpipe systems, fire alarm and detection systems, and fire pumps). |

Type (License, specialty license for medical reimbursement, government certification, registration, bonding or insurance, inspection, or process regulation. See R.C. 4798.01 for relevant definitions.)

License

If the regulation is a registration, certification, or license requirement, please complete the following:

| | |
|---|---|
| Number issued annually | Approximately 10 |
| Number renewed annually | Approximately 20 |
| Have there been significant increases or decreases in active registrations, certifications or licenses in the preceding six years? | No significant increase/decrease in last 4 years. Certification created in 2017 to give building departments more options for staffing needs and additional paths for certification. |
| Education or training requirements | Completion of Board-sponsored code academy during interim certification (free online or in-person training offered twice per year) |
| Experience requirements | 5 years experience fire protection inspector, building inspector, or fire protection system designer, registered design profession or 10 years experience as fire protection system installer; less for individuals entering as trainee |

If the regulation is a registration, certification, or license requirement, please complete the following:

| | |
|---|---|
| <p>Examination requirements (<i>Who administers the exam? How is the exam and administrator selected? What fees are charged? Does the Board receive any proceeds of those fees? If so, how are the proceeds used?</i>)</p> | <p>International Code Council (ICC) – CP or National Certification Program for Construction Code Inspectors (NCPCCI) – 3C Examination costs \$240. The Board’s examination requirements align with requirements for certification issued by International Code Council, therefore the Board only recognizes these exams and does not set fees, etc.</p> |
| <p>Continuing education requirements (<i>Including a description of the curriculum and the process of setting it.</i>)</p> | <p>30 hours of Board-approved continuing education</p> |
| <p>Initial fee</p> | <p>\$50</p> |
| <p>Duration</p> | <p>2-year interim, then 3-year renewal period</p> |
| <p>Renewal fee (<i>If different from initial fee, please explain why.</i>)</p> | <p>\$30</p> |
| <p>Does the Board recognize uniform licensure requirements or allow for reciprocity?</p> | <p>Yes, the Board’s examination requirements align with requirements for certification issued by International Code Council, a certification recognized by many jurisdiction across the country.</p> |
| <p>Are there any similar national registrations, certifications, or licenses? Could they be used as a substitute for the state regulation?</p> | <p>Yes, see above. The Board’s certification requires minimal level of relevant experience in construction in addition to testing to qualify for certification.</p> |

If the regulation is a registration, certification, or license requirement, please complete the following:

| | |
|---|---|
| Are there any circumstances in which an individual may practice elements of the occupation without being regulated by the Board? | No |
| Is the Board permitted to exercise discretion in determining whether to register, certify, or license an individual? | Yes, the Board recognizes other equivalent experience to qualify for certification. |
| Other information (<i>Significant attributes or prerequisites to licensure not addressed in this chart.</i>) | Optional certification; If a building department does not have a fire protection plans examiner, master plans examiner can perform duties |

Oversight and disciplinary authority of the Board respecting individuals engaged in the occupation.

See OAC 4101:7-3-01(F)(7) discussed above.

How much revenue is derived from fees charged by the Board to individuals engaged in the occupation (such as license and renewal fees)? How is that revenue used?

The revenue collected from fees charged for personnel certification/renewal is minimal. The Board collected approximately \$87,339/per year from certification fees. See budget/revenue information discussed above.

Describe any federal regulations that apply to the occupation. Does federal law require the state to regulate the occupation?

N/A

What is the harm that the regulation seeks to prevent? (See, R.C. 4798.02(B).)

Review and inspection of Ohio's built environment by qualified individuals is fundamental to safety of its occupants and the protection of property. The codes enforced by Board-certified personnel adopted by the Board are based on international consensus-based standards developed and updated by the International Code Council (ICC). Most states use ICC's model codes as the basis for their building codes, but code requirements are only as good and effective as the individual(s) charged with their interpretation, application and enforcement.

Is the regulation effective at preventing the harm described above? Are there other, less restrictive ways to prevent the harm?

Yes, the Board’s certification program ensures accountability and uniformity in the interpretation and application of the building codes resulting in savings of both building owner’s time and money. However, the Board recently determined to perform an in-depth study to identify trends across the country in code enforcement that may be responding to the changed nature of modern construction as well as a further review of the necessary skills sets to perform code enforcement today for possible changes to certification requirements. We plan to commission a study which we hope to have completed by next year to inform our review.

Are there any changes the Board would like to see implemented?

Not at this time. Awaiting completion of certification study for further discussion.

Surrounding state comparison (LSC)

| Fire Protection Plans Examiner (Fire Protection Plans Examiner, Fire Protection Plans Examiner Trainee, and Interim Fire Protection Plans Examiner) | | | | | | |
|--|---|----------------------|----------------------|--|----------------------|----------------------|
| | Ohio | Indiana | Kentucky | Michigan | Pennsylvania | West Virginia |
| License required? | Certification (<i>R.C. 3781.10; O.A.C. 4101:7-3-01(A)(23), (24), and (25)</i>). | No clear equivalent. | No clear equivalent. | Registration (<i>Mich. Comp. Laws 339.6007, 339.6015, and 339.6019</i>). | No clear equivalent. | No clear equivalent. |
| Education or training | See “Experience.” | N/A | N/A | NFPA or ICC Fire Inspector I and Plans Reviewer | N/A | N/A |

| Fire Protection Plans Examiner (<i>Fire Protection Plans Examiner, Fire Protection Plans Examiner Trainee, and Interim Fire Protection Plans Examiner</i>) | | | | | | |
|--|---|---------|----------|---|--------------|---------------|
| | Ohio | Indiana | Kentucky | Michigan | Pennsylvania | West Virginia |
| | | | | certification (<i>Mich. Comp. Laws 339.6019(4)</i>). | | |
| Experience | <p>For a fire protection plans examiner or interim fire protection plans inspector, one of the following:</p> <ul style="list-style-type: none"> ▪ At least five years as certified fire safety inspector or fire protection inspector; ▪ At least five years as certified fire protection system designer; ▪ At least five years as a building inspector; | N/A | N/A | N/A | N/A | N/A |

Fire Protection Plans Examiner (Fire Protection Plans Examiner, Fire Protection Plans Examiner Trainee, and Interim Fire Protection Plans Examiner)

| | Ohio | Indiana | Kentucky | Michigan | Pennsylvania | West Virginia |
|--|--|---------|----------|----------|--------------|---------------|
| | <ul style="list-style-type: none"> ▪ Registration as an architect or professional engineer ; or ▪ At least ten years as a skilled tradesperson for installation of code-inspected fire protection systems. <p><i>(O.A.C. 4101:7-3-01(E)(10).)</i></p> <p>A fire protection plans examiner trainee must be a full-time employee of a political subdivision under the direct supervision of a trainee supervisor</p> | | | | | |

Fire Protection Plans Examiner (*Fire Protection Plans Examiner, Fire Protection Plans Examiner Trainee, and Interim Fire Protection Plans Examiner*)

| | Ohio | Indiana | Kentucky | Michigan | Pennsylvania | West Virginia |
|--|---|---------|----------|----------|--------------|---------------|
| | <p>and one of the following:</p> <ul style="list-style-type: none"> ▪ Graduate an accredited university engineering or architecture program; ▪ At least one year experience as a building inspector, fire protection inspector, plumbing inspector, electrical inspector, or mechanical inspector; or ▪ At least one year experience as a building official, residential plans | | | | | |

| Fire Protection Plans Examiner (<i>Fire Protection Plans Examiner, Fire Protection Plans Examiner Trainee, and Interim Fire Protection Plans Examiner</i>) | | | | | | |
|--|---|---------|----------|--|--------------|---------------|
| | Ohio | Indiana | Kentucky | Michigan | Pennsylvania | West Virginia |
| | <p>examiner, residential building inspector, or residential mechanical inspector.</p> <p><i>(O.A.C. 4101:7-3-01(F)(5).)</i></p> | | | | | |
| Exam | <p>For a fire protection plans examiner, select exam modules administered by NCPCCI or ICC <i>(O.A.C. 4101:7-3-01(F)(1)(d)).</i></p> <p>For a fire protection plans examiner trainee, exam modules must be completed within allotted time of the trainee program.</p> <p>One-time interim fire protection</p> | N/A | N/A | <p>Yes, as required for NFPA or ICC certification <i>(Mich. Comp. Laws 339.6019(4)).</i></p> | N/A | N/A |

Fire Protection Plans Examiner (*Fire Protection Plans Examiner, Fire Protection Plans Examiner Trainee, and Interim Fire Protection Plans Examiner*)

| | Ohio | Indiana | Kentucky | Michigan | Pennsylvania | West Virginia |
|----------------------|--|---------|----------|--|--------------|---------------|
| | plans examiner certificate may be issued to applicants who meet education and experience requirements but have not completed the required examination. (O.A.C. 4101:7-3-01(F)(2)(a)(i).) | | | | | |
| Continuing education | Complete “Ohio Building Code Academy” requirements during initial certification period (O.A.C. 4104:7-3-01(F)(4)(a)(i)). 30 hours for every subsequent three-year certification period, including three hours dedicated to code administration, | N/A | N/A | No prescribed continuing education, but NFPA and ICC certifications must be renewed every three years with continuing education requirements (NFPA 3-Year Recertification Form, available here ; ICC Certification | N/A | N/A |

Fire Protection Plans Examiner (Fire Protection Plans Examiner, Fire Protection Plans Examiner Trainee, and Interim Fire Protection Plans Examiner)

| | Ohio | Indiana | Kentucky | Michigan | Pennsylvania | West Virginia |
|-----------------------|---|---------|----------|--|--------------|---------------|
| | three hours dedicated to existing buildings, and one hour dedicated to ethics (O.A.C. 4101:7-3-01(F)(4)(a)(ii)). | | | Bulletin, available here). | | |
| Initial licensure fee | \$50 (O.A.C. 4104:7-3-01(F)). | N/A | N/A | \$75 (LARA, Application for Registration of Building Officials, Inspectors, and Plan Reviewers). | N/A | N/A |
| License duration | Three years for a fire protection plans examiner. Six years for a fire protection plans examiner trainee. Two years for an interim fire protection plans examiner. (O.A.C. 4104:7-3-01(F)(2)(a)(i) and (ii) and (5)(d).) | N/A | N/A | No prescribed duration, but NFPA and ICC certification must be renewed every three years (NFPA 3-Year Recertification Form, available here ; ICC Certification Bulletin, available here). | N/A | N/A |

| Fire Protection Plans Examiner (<i>Fire Protection Plans Examiner, Fire Protection Plans Examiner Trainee, and Interim Fire Protection Plans Examiner</i>) | | | | | | |
|--|--|---------|----------|----------|--------------|---------------|
| | Ohio | Indiana | Kentucky | Michigan | Pennsylvania | West Virginia |
| Renewal fee | \$30 (<i>O.A.C. 4104:7-3-01(F)(2)(c)</i>). | N/A | N/A | N/A | N/A | N/A |

Industrialized unit inspector

Survey responses (COM)

| Description |
|---|
| An industrialized unit inspector is responsible for determining compliance with approved construction documents of commercial industrialized units in-plant during each phase of the manufacturing process. |
| Type (<i>License, specialty license for medical reimbursement, government certification, registration, bonding or insurance, inspection, or process regulation. See R.C. 4798.01 for relevant definitions.</i>) |
| License |

| If the regulation is a registration, certification, or license requirement, please complete the following: | |
|--|---|
| Number issued annually | Approximately 10 |
| Number renewed annually | Approximately 20 |
| Have there been significant increases or decreases in active registrations, certifications or licenses in the preceding six years? | No significant increase/decrease in last 6 years. |
| Education or training requirements | N/A |
| Experience requirements | 5 years experience relevant construction experience or certification as building inspector |
| Examination requirements (<i>Who administers the exam? How is the exam and administrator selected? What fees are charged? Does the Board receive any proceeds of those fees? If so, how are the proceeds used?</i>) | International Code Council (ICC) – B2, M2 or National Certification Program for Construction Code Inspectors (NCPCCI) – B, 3B, 4B Examination costs \$240. The Board’s examination requirements align with requirements for certification issued by International Code Council, therefore the Board only recognizes these exams and does not set fees, etc. |
| Continuing education requirements (<i>Including a description of the curriculum and the process of setting it.</i>) | 30 hours of Board-approved continuing education |
| Initial fee | \$50 |
| Duration | 2-year interim, then 3-year renewal period |

| If the regulation is a registration, certification, or license requirement, please complete the following: | |
|--|---|
| Renewal fee <i>(If different from initial fee, please explain why.)</i> | \$30 |
| Does the Board recognize uniform licensure requirements or allow for reciprocity? | Yes, the Board's examination requirements align with requirements for certification issued by International Code Council, a certification recognized by many jurisdiction across the country. |
| Are there any similar national registrations, certifications, or licenses? Could they be used as a substitute for the state regulation? | Yes, see above. The Board's certification requires minimal level of relevant experience in construction in addition to testing to qualify for certification. |
| Are there any circumstances in which an individual may practice elements of the occupation without being regulated by the Board? | No |
| Is the Board permitted to exercise discretion in determining whether to register, certify, or license an individual? | Yes, the Board recognizes other equivalent experience to qualify for certification. |
| Other information <i>(Significant attributes or prerequisites to licensure not addressed in this chart.)</i> | |

Oversight and disciplinary authority of the Board respecting individuals engaged in the occupation.

See OAC 4101:7-3-01(F)(7) discussed above.

**How much revenue is derived from fees charged by the Board to individuals engaged in the occupation (such as license and renewal fees)?
How is that revenue used?**

The revenue collected from fees charged for personnel certification/renewal is minimal. The Board collected approximately \$87,339/per year from certification fees. See budget/revenue information discussed above.

Describe any federal regulations that apply to the occupation. Does federal law require the state to regulate the occupation?

N/A

What is the harm that the regulation seeks to prevent? (See, R.C. 4798.02(B).)

Review and inspection of Ohio's built environment by qualified individuals is fundamental to safety of its occupants and the protection of property. The codes enforced by Board-certified personnel adopted by the Board are based on international consensus-based standards developed and updated by the International Code Council (ICC). Most states use ICC's model codes as the basis for their building codes, but code requirements are only as good and effective as the individual(s) charged with their interpretation, application and enforcement.

Is the regulation effective at preventing the harm described above? Are there other, less restrictive ways to prevent the harm?

Yes, the Board's certification program ensures accountability and uniformity in the interpretation and application of the building codes resulting in savings of both building owner's time and money. However, the Board recently determined to perform an in-depth study to identify trends across the country in code enforcement that may be responding to the changed nature of modern construction as well as a further review of the necessary skills sets to perform code enforcement today for possible changes to certification requirements. We plan to commission a study which we hope to have completed by next year to inform our review.

Are there any changes the Board would like to see implemented?

Not at this time. Awaiting completion of certification study for further discussion.

Surrounding state comparison (LSC)

| Industrialized Unit Inspector (<i>Industrial Unit Inspector and Interim Industrialized Unit Inspector</i>) | | | | | | |
|--|--|----------------------|----------------------|----------------------|----------------------|----------------------|
| | Ohio | Indiana | Kentucky | Michigan | Pennsylvania | West Virginia |
| License required? | Certification (<i>R.C. 3781.10; O.A.C. 4101:7-3-01(A)(42) and (43)</i>). | No clear equivalent. | No clear equivalent. | No clear equivalent. | No clear equivalent. | No clear equivalent. |
| Education or training | N/A | N/A | N/A | N/A | N/A | N/A |
| Experience | <p>For an industrial unit inspector and interim industrialized unit inspector, one of the following:</p> <ul style="list-style-type: none"> ▪ At least five years as a construction contractor or supervisor for nonresidential buildings; ▪ At least five years as a skilled tradesperson for work subject to a | N/A | N/A | N/A | N/A | N/A |

Industrialized Unit Inspector (*Industrial Unit Inspector and Interim Industrialized Unit Inspector*)

| | Ohio | Indiana | Kentucky | Michigan | Pennsylvania | West Virginia |
|------|---|---------|----------|----------|--------------|---------------|
| | building code inspection; or ■ Certification as a building inspector. <i>(O.A.C. 4101:7-3-01(E)(18).)</i> | | | | | |
| Exam | For an industrialized unit inspector, select exam modules administered by NCPCCI or ICC <i>(O.A.C. 4101:7-3-01(F)(1)(d)).</i> One-time interim industrialized unit inspector certificate may be issued to applicants who meet education and experience requirements but have not completed the required examination | N/A | N/A | N/A | N/A | N/A |

| Industrialized Unit Inspector (<i>Industrial Unit Inspector and Interim Industrialized Unit Inspector</i>) | | | | | | |
|--|--|---------|----------|----------|--------------|---------------|
| | Ohio | Indiana | Kentucky | Michigan | Pennsylvania | West Virginia |
| | <i>(O.A.C. 4101:7-3-01(F)(2)(a)(i)).</i> | | | | | |
| Continuing education | <p>Complete “Ohio Building Code Academy” requirements during initial certification period <i>(O.A.C. 4104:7-3-01(F)(4)(a)(i)).</i></p> <p>30 hours for every subsequent three-year certification period, including three hours dedicated to code administration, three hours dedicated to existing buildings, and one hour dedicated to ethics <i>(O.A.C. 4101:7-3-01(F)(4)(a)(ii)).</i></p> | N/A | N/A | N/A | N/A | N/A |
| Initial licensure fee | \$50 <i>(O.A.C. 4104:7-3-01(F)).</i> | N/A | N/A | N/A | N/A | N/A |

| Industrialized Unit Inspector (<i>Industrial Unit Inspector and Interim Industrialized Unit Inspector</i>) | | | | | | |
|--|--|---------|----------|----------|--------------|---------------|
| | Ohio | Indiana | Kentucky | Michigan | Pennsylvania | West Virginia |
| License duration | Three years for an industrialized unit inspector. Two years for an interim industrialized unit inspector. (<i>O.A.C. 4104:7-3-01(F)(2)(a)(i) and (ii).</i>) | N/A | N/A | N/A | N/A | N/A |
| Renewal fee | \$30 (<i>O.A.C. 4104:7-3-01(F)(2)(c).</i>) | N/A | N/A | N/A | N/A | N/A |

Master plans examiner

Survey responses (COM)

| Description |
|---|
| A master plans examiner is responsible for the examination of all types of construction documents. If elective plans examiners are utilized by the building department, the master plans examiner shall assure coordination of plan reviews |

Type (License, specialty license for medical reimbursement, government certification, registration, bonding or insurance, inspection, or process regulation. See R.C. 4798.01 for relevant definitions.)

License

If the regulation is a registration, certification, or license requirement, please complete the following:

| | |
|---|--|
| Number issued annually | Approximately 25 |
| Number renewed annually | Approximately 200 |
| Have there been significant increases or decreases in active registrations, certifications or licenses in the preceding six years? | No significant increase/decrease in last 6 years. |
| Education or training requirements | Registered architect or engineer; Completion of Board-sponsored code academy during interim certification (free online or in-person training offered twice per year) |
| Experience requirements | 5 years experience as registered design professional; less for individuals entering as trainee |

If the regulation is a registration, certification, or license requirement, please complete the following:

| | |
|---|---|
| <p>Examination requirements (<i>Who administers the exam? How is the exam and administrator selected? What fees are charged? Does the Board receive any proceeds of those fees? If so, how are the proceeds used?</i>)</p> | <p>International Code Council (ICC) – B3, E3, M3, P3 or National Certification Program for Construction Code Inspectors (NCPCCI) – 1C, 2C, 3C, 4C, 5C Examination costs \$240. The Board’s examination requirements align with requirements for certification issued by International Code Council, therefore the Board only recognizes these exams and does not set fees, etc.</p> |
| <p>Continuing education requirements (<i>Including a description of the curriculum and the process of setting it.</i>)</p> | <p>30 hours of Board-approved continuing education</p> |
| <p>Initial fee</p> | <p>\$50</p> |
| <p>Duration</p> | <p>2-year interim, then 3-year renewal period</p> |
| <p>Renewal fee (<i>If different from initial fee, please explain why.</i>)</p> | <p>\$30</p> |
| <p>Does the Board recognize uniform licensure requirements or allow for reciprocity?</p> | <p>Yes, the Board’s examination requirements align with requirements for certification issued by International Code Council, a certification recognized by many jurisdiction across the country.</p> |
| <p>Are there any similar national registrations, certifications, or licenses? Could they be used as a substitute for the state regulation?</p> | <p>Yes, see above. The Board’s certification requires minimal level of relevant experience in construction in addition to testing to qualify for certification.</p> |

If the regulation is a registration, certification, or license requirement, please complete the following:

| | |
|---|---|
| Are there any circumstances in which an individual may practice elements of the occupation without being regulated by the Board? | No |
| Is the Board permitted to exercise discretion in determining whether to register, certify, or license an individual? | Yes, the Board recognizes other equivalent experience to qualify for certification. |
| Other information (<i>Significant attributes or prerequisites to licensure not addressed in this chart.</i>) | |

Oversight and disciplinary authority of the Board respecting individuals engaged in the occupation.

See OAC 4101:7-3-01(F)(7) discussed above.

How much revenue is derived from fees charged by the Board to individuals engaged in the occupation (such as license and renewal fees)? How is that revenue used?

The revenue collected from fees charged for personnel certification/renewal is minimal. The Board collected approximately \$87,339/per year from certification fees. See budget/revenue information discussed above.

Describe any federal regulations that apply to the occupation. Does federal law require the state to regulate the occupation?

N/A

What is the harm that the regulation seeks to prevent? (See, R.C. 4798.02(B).)

Review and inspection of Ohio's built environment by qualified individuals is fundamental to safety of its occupants and the protection of property. The codes enforced by Board-certified personnel adopted by the Board are based on international consensus-based standards developed and updated by the International Code Council (ICC). Most states use ICC's model codes as the basis for their building codes, but code requirements are only as good and effective as the individual(s) charged with their interpretation, application and enforcement.

Is the regulation effective at preventing the harm described above? Are there other, less restrictive ways to prevent the harm?

Yes, the Board’s certification program ensures accountability and uniformity in the interpretation and application of the building codes resulting in savings of both building owner’s time and money. However, the Board recently determined to perform an in-depth study to identify trends across the country in code enforcement that may be responding to the changed nature of modern construction as well as a further review of the necessary skills sets to perform code enforcement today for possible changes to certification requirements. We plan to commission a study which we hope to have completed by next year to inform our review.

Are there any changes the Board would like to see implemented?

Not at this time. Awaiting completion of certification study for further discussion.

Surrounding state comparison (LSC)

| Master Plans Examiner (Master Plans Examiner, Master Plans Examiner Trainee, and Interim Master Plans Examiner) | | | | | | |
|--|--|----------------------|----------------------|----------------------|----------------------|----------------------|
| | Ohio | Indiana | Kentucky | Michigan | Pennsylvania | West Virginia |
| License required? | Certification (<i>R.C. 3781.10; O.A.C. 4101:7-3-01(A)(5), (6), and (7)</i>). | No clear equivalent. | No clear equivalent. | No clear equivalent. | No clear equivalent. | No clear equivalent. |
| Education or training | For master plans examiner and interim master | N/A | N/A | N/A | N/A | N/A |

Master Plans Examiner (Master Plans Examiner, Master Plans Examiner Trainee, and Interim Master Plans Examiner)

| | Ohio | Indiana | Kentucky | Michigan | Pennsylvania | West Virginia |
|------------|--|---------|----------|----------|--------------|---------------|
| | <p>plans examiner, see "Experience."</p> <p>For trainees, must be graduates of an accredited architecture or engineering program (O.A.C. 4101:7-3-01(F)(5)(iii)).</p> | | | | | |
| Experience | <p>For a master plans examiner or interim master plans examiner, must have one of the following:</p> <ul style="list-style-type: none"> ▪ At least five years in building design, construction, or plans examination as an architect or professional engineer; or | N/A | N/A | N/A | N/A | N/A |

Master Plans Examiner (Master Plans Examiner, Master Plans Examiner Trainee, and Interim Master Plans Examiner)

| | Ohio | Indiana | Kentucky | Michigan | Pennsylvania | West Virginia |
|------|--|---------|----------|----------|--------------|---------------|
| | <ul style="list-style-type: none"> ▪ Successful completion of the trainee program. <p><i>(O.A.C. 4101:7-3-01(E)(4).)</i></p> <p>A master plans examiner trainee must be a full-time employee of a political subdivision under the direct supervision of a trainee supervisor <i>(O.A.C. 4101:7-3-01(F)(5)).</i></p> | | | | | |
| Exam | <p>For a master plans examiner, select exam modules administered by NCPCCI or ICC <i>(O.A.C. 4101:7-3-01(F)(1)(d)).</i></p> <p>For a master plans examiner trainee, exam modules must be</p> | N/A | N/A | N/A | N/A | N/A |

Master Plans Examiner (Master Plans Examiner, Master Plans Examiner Trainee, and Interim Master Plans Examiner)

| | Ohio | Indiana | Kentucky | Michigan | Pennsylvania | West Virginia |
|----------------------|--|---------|----------|----------|--------------|---------------|
| | <p>completed within allotted time of the trainee program.</p> <p>One-time interim master plans examiner certificate may be issued to applicants who meet education and experience requirements but have not completed the required examination.</p> <p><i>(O.A.C. 4101:7-3-01(F)(2)(a)(i) and (5)(e)(i)(a).)</i></p> | | | | | |
| Continuing education | For a master plans examiner, complete "Ohio Building Code Academy" during initial certification cycle. | N/A | N/A | N/A | N/A | N/A |

Master Plans Examiner (Master Plans Examiner, Master Plans Examiner Trainee, and Interim Master Plans Examiner)

| | Ohio | Indiana | Kentucky | Michigan | Pennsylvania | West Virginia |
|-----------------------|--|---------|----------|----------|--------------|---------------|
| | 30 hours every subsequent renewal period, including three hours dedicated to code administration, three hours dedicated to existing buildings, and one hour dedicated to ethics. <i>(O.A.C. 4104:7-3-01(F)(4).)</i> | | | | | |
| Initial licensure fee | \$50 <i>(O.A.C. 4104:7-3-01(F)).</i> | N/A | N/A | N/A | N/A | N/A |
| License duration | Three years for a master plans examiner. Six years for a master plans examiner trainee. Two years for an interim master plans examiner. | N/A | N/A | N/A | N/A | N/A |

| Master Plans Examiner (<i>Master Plans Examiner, Master Plans Examiner Trainee, and Interim Master Plans Examiner</i>) | | | | | | |
|--|---|---------|----------|----------|--------------|---------------|
| | Ohio | Indiana | Kentucky | Michigan | Pennsylvania | West Virginia |
| | <i>(O.A.C. 4104:7-3-01(F)(2)(a)(i) and (ii) and (F)(5)(d).)</i> | | | | | |
| Renewal fee | \$30 <i>(O.A.C. 4104:7-3-01(F)(2)(c).)</i> | N/A | N/A | N/A | N/A | N/A |

Mechanical inspector

Survey responses (COM)

| Description |
|---|
| A mechanical inspector is responsible for determining compliance with the approved construction documents for heating, ventilating and air conditioning (HVAC) systems, and the associated refrigeration, fuel gas, and heating piping systems. |

Type (License, specialty license for medical reimbursement, government certification, registration, bonding or insurance, inspection, or process regulation. See R.C. 4798.01 for relevant definitions.)

License

If the regulation is a registration, certification, or license requirement, please complete the following:

| | |
|---|--|
| Number issued annually | Approximately 10 |
| Number renewed annually | Approximately 50 |
| Have there been significant increases or decreases in active registrations, certifications or licenses in the preceding six years? | No significant increase/decrease in last 6 years. |
| Education or training requirements | Completion of Board-sponsored code academy during interim certification (free online or in-person training offered twice per year) |
| Experience requirements | 5 years relevant construction experience; less for individuals entering as trainee |

If the regulation is a registration, certification, or license requirement, please complete the following:

| | |
|---|---|
| <p>Examination requirements (<i>Who administers the exam? How is the exam and administrator selected? What fees are charged? Does the Board receive any proceeds of those fees? If so, how are the proceeds used?</i>)</p> | <p>International Code Council (ICC) – M2 or National Certification Program for Construction Code Inspectors (NCPCCI) – 4B Examination costs \$240. The Board’s examination requirements align with requirements for certification issued by International Code Council, therefore the Board only recognizes these exams and does not set fees, etc.</p> |
| <p>Continuing education requirements (<i>Including a description of the curriculum and the process of setting it.</i>)</p> | <p>30 hours of Board-approved continuing education</p> |
| <p>Initial fee</p> | <p>\$50</p> |
| <p>Duration</p> | <p>2-year interim, then 3-year renewal period</p> |
| <p>Renewal fee (<i>If different from initial fee, please explain why.</i>)</p> | <p>\$30</p> |
| <p>Does the Board recognize uniform licensure requirements or allow for reciprocity?</p> | <p>Yes, the Board’s examination requirements align with requirements for certification issued by International Code Council, a certification recognized by many jurisdiction across the country.</p> |
| <p>Are there any similar national registrations, certifications, or licenses? Could they be used as a substitute for the state regulation?</p> | <p>Yes, see above. The Board’s certification requires minimal level of relevant experience in construction in addition to testing to qualify for certification.</p> |

If the regulation is a registration, certification, or license requirement, please complete the following:

| | |
|---|--|
| Are there any circumstances in which an individual may practice elements of the occupation without being regulated by the Board? | No |
| Is the Board permitted to exercise discretion in determining whether to register, certify, or license an individual? | Yes, the Board recognizes other equivalent experience to qualify for certification. |
| Other information (<i>Significant attributes or prerequisites to licensure not addressed in this chart.</i>) | Optional certification; If a building department does not have a certified mechanical inspector, building inspector can perform duties |

Oversight and disciplinary authority of the Board respecting individuals engaged in the occupation.

See OAC 4101:7-3-01(F)(7) discussed above.

How much revenue is derived from fees charged by the Board to individuals engaged in the occupation (such as license and renewal fees)? How is that revenue used?

The revenue collected from fees charged for personnel certification/renewal is minimal. The Board collected approximately \$87,339/per year from certification fees. See budget/revenue information discussed above.

Describe any federal regulations that apply to the occupation. Does federal law require the state to regulate the occupation?

N/A

What is the harm that the regulation seeks to prevent? (See, R.C. 4798.02(B).)

Review and inspection of Ohio's built environment by qualified individuals is fundamental to safety of its occupants and the protection of property. The codes enforced by Board-certified personnel adopted by the Board are based on international consensus-based standards developed and updated by the International Code Council (ICC). Most states use ICC's model codes as the basis for their building codes, but code requirements are only as good and effective as the individual(s) charged with their interpretation, application and enforcement.

Is the regulation effective at preventing the harm described above? Are there other, less restrictive ways to prevent the harm?

Yes, the Board’s certification program ensures accountability and uniformity in the interpretation and application of the building codes resulting in savings of both building owner’s time and money. However, the Board recently determined to perform an in-depth study to identify trends across the country in code enforcement that may be responding to the changed nature of modern construction as well as a further review of the necessary skills sets to perform code enforcement today for possible changes to certification requirements. We plan to commission a study which we hope to have completed by next year to inform our review.

Are there any changes the Board would like to see implemented?

Not at this time. Awaiting completion of certification study for further discussion.

Surrounding state comparison (LSC)

| Mechanical Inspector (Mechanical Inspector, Mechanical Inspector Trainee, and Interim Mechanical Inspector) | | | | | | |
|--|---|----------------------|--|--|---|--|
| | Ohio | Indiana | Kentucky | Michigan | Pennsylvania | West Virginia |
| License required? | Certification (<i>R.C. 3781.10; O.A.C. 4101:7-3-01(E)(14)</i>). | No clear equivalent. | Certification (<i>Ky. Rev. Stat. 198B.090 and 198B.095; 815 Ky. Admin. Regs. 7:070</i>). | Registration (<i>Mich. Comp. Laws 339.6009; Mich. Admin. Code R. 408.30004 and 408.30043</i>). | Certification (<i>34 Pa. Code 401.3(a) and 401.7(8)</i>). | Certification (<i>W. Va. Code R. 103-6-3.1.b.6</i>). |

Mechanical Inspector (Mechanical Inspector, Mechanical Inspector Trainee, and Interim Mechanical Inspector)

| | Ohio | Indiana | Kentucky | Michigan | Pennsylvania | West Virginia |
|-----------------------|-------------------|---------|--|---|--------------|---------------|
| Education or training | See "Experience." | N/A | <p>One of the following:</p> <ul style="list-style-type: none"> ▪ High school diploma or equivalent plus two years related experience in construction, architecture, or engineering; ▪ Associate's degree in a design, building technology, or construction-related subject; or ▪ Bachelor's degree in architecture, engineering, fire science, or building technology. | <p>Complete training in all of the following:</p> <ul style="list-style-type: none"> ▪ At least four hours in administration; ▪ At least one hour in communication skills; ▪ At least eight hours in technical code provisions; ▪ At least two hours in plan review; and ▪ At least three hours in specialty training based on classification. <p><i>(Mich. Admin. Code R. 408.)</i></p> | N/A | N/A |

Mechanical Inspector (Mechanical Inspector, Mechanical Inspector Trainee, and Interim Mechanical Inspector)

| | Ohio | Indiana | Kentucky | Michigan | Pennsylvania | West Virginia |
|------------|---|---------|---|---|--------------|---------------|
| | | | <i>(815 Ky. Admin. Regs. 7:070(3).)</i> | | | |
| Experience | <p>For a mechanical inspector or interim mechanical inspector, must have one of the following:</p> <ul style="list-style-type: none"> ▪ At least five years as skilled HVAC tradesperson; ▪ At least five years as a residential or nonresidential building official, plans examiner, or building inspector; ▪ At least five years as a residential mechanical inspector; or | N/A | See "Education or Training." | <p>Hold a mechanical contractor license for no less than one year in three of four categories (hydronic heating and process piping, HVAC, refrigeration, and fire suppression).</p> <p>Registration is "provisional" until the second three-year registration cycle.</p> <p><i>(Mich. Comp. Laws 339.5807; Mich. Admin. Code R. 408.30031 and 408.30043.)</i></p> | N/A | N/A |

Mechanical Inspector (Mechanical Inspector, Mechanical Inspector Trainee, and Interim Mechanical Inspector)

| | Ohio | Indiana | Kentucky | Michigan | Pennsylvania | West Virginia |
|--|--|---------|----------|----------|--------------|---------------|
| | <ul style="list-style-type: none"> ▪ Completed the trainee program. <p><i>(O.A.C. 4101:7-3-01(E)(14).)</i></p> <p>A mechanical inspector trainee must be a full-time employee of a political subdivision under the direct supervision of a trainee supervisor and one of the following:</p> <ul style="list-style-type: none"> ▪ Have at least one year of experience as a skilled tradesman subject to code inspection; or ▪ Completed specified education requirements. | | | | | |

Mechanical Inspector (Mechanical Inspector, Mechanical Inspector Trainee, and Interim Mechanical Inspector)

| | Ohio | Indiana | Kentucky | Michigan | Pennsylvania | West Virginia |
|------|--|---------|---|----------|--|--|
| | <i>(O.A.C. 4101:7-3-01(F)(5)(vi) and (6).)</i> | | | | | |
| Exam | <p>For a mechanical inspector, select exam modules administered by NCPCCI or ICC <i>(O.A.C. 4101:7-3-01(F)(1)(d)).</i></p> <p>For a mechanical inspector trainee, exam modules must be completed within allotted time of the trainee program.</p> <p>One-time interim mechanical inspector certificate may be issued to applicants who meet education and experience requirements but have not completed the</p> | N/A | Select exam modules administered by NCPCCI or ICC M2 <i>(815 Ky. Admin. Regs. 7:070).</i> | N/A | Select exam modules administered by NCPCCI. May be waived if evidence of commensurate qualification is provided. <i>(34 Pa. Code 401.5 and 401.6.)</i> | Select exam modules administered by ICC. Exam is waived for licensed architects and engineers. Two-year probationary certification is available for individuals who have not yet passed the exam. <i>(W. Va. Code R. 103-6-3.1.b.6 and 103-6-6.)</i> |

Mechanical Inspector (Mechanical Inspector, Mechanical Inspector Trainee, and Interim Mechanical Inspector)

| | Ohio | Indiana | Kentucky | Michigan | Pennsylvania | West Virginia |
|-----------------------|---|---------|---|---|--|--|
| | required examination. <i>(O.A.C. 4101:7-3-01(F)(2)(a)(i) and (5)(e)(ii)(a).)</i> | | | | | |
| Continuing education | Complete “Ohio Building Code Academy” requirements during initial certification period <i>(O.A.C. 4104:7-3-01(F)(4)(a)(i)).</i> | N/A | 12 hours annually <i>(815 Ky. Admin. Regs. 7:070(4)).</i> | 47 hours every three years <i>(Mich. Admin. Code R. 408.30055).</i> | 15 hours every three years <i>(34 Pa. Code 401.9).</i> | 15 hours every three years <i>(W. Va. Code R. 103-6-4).</i> |
| Initial licensure fee | \$50 <i>(O.A.C. 4104:7-3-01(F)).</i> | N/A | \$50 <i>(815 Ky. Admin. Regs. 7:070).</i> | \$75 <i>(LARA, Application for Registration of Building Officials, Inspectors, and Plan Reviewers).</i> | \$50 <i>(34 Pa. Code 401.2).</i> | \$75 <i>(W. Va. Code R. 103-6-3).</i> |
| License duration | Three years for a mechanical inspector. Six years for a mechanical inspector trainee. | N/A | One year <i>(815 Ky. Admin. Regs. 7:070(7)).</i> | Three years <i>(Mich. Comp. Laws 339.6011).</i> | Three years <i>(34 Pa. Code 401.8).</i> | Three years <i>(W. Va. Code R. 103-6-5.1).</i> Probationary certification: Two years <i>(W. Va.</i> |

| Mechanical Inspector (<i>Mechanical Inspector, Mechanical Inspector Trainee, and Interim Mechanical Inspector</i>) | | | | | | |
|--|--|---------|--|---|----------------------------------|---|
| | Ohio | Indiana | Kentucky | Michigan | Pennsylvania | West Virginia |
| | Two years for an interim mechanical inspector. <i>(O.A.C. 4104:7-3-01(F)(2)(a)(i) and (ii) and (5)(d).)</i> | | | | | <i>Code R. 103-6-6.1).</i> |
| Renewal fee | \$30 <i>(O.A.C. 4104:7-3-01(F)(2)(c).)</i> | N/A | \$50 <i>(815 Ky. Admin. Regs. 7:070(7)).</i> | \$75 <i>(LARA, Application for Registration of Building Officials, Inspectors, and Plan Reviewers).</i> | \$50 <i>(34 Pa. Code 401.2).</i> | \$75 <i>(W. Va. Code R. 103-6-5.3).</i> |

Mechanical plans examiner

Survey responses (COM)

| Description |
|---|
| A mechanical plans examiner trainee is responsible for the examination of construction documents related to heating, ventilating, and air conditioning (“HVAC”) systems and the associated refrigeration, fuel gas, and heating piping. |

Type (License, specialty license for medical reimbursement, government certification, registration, bonding or insurance, inspection, or process regulation. See R.C. 4798.01 for relevant definitions.)

License

If the regulation is a registration, certification, or license requirement, please complete the following:

| | |
|---|---|
| Number issued annually | Approximately 10 |
| Number renewed annually | Approximately 50 |
| Have there been significant increases or decreases in active registrations, certifications or licenses in the preceding six years? | No significant increase/decrease in last 6 years. |
| Education or training requirements | Completion of Board-sponsored code academy during interim certification (free online or in-person training offered twice per year) |
| Experience requirements | 5 years experience mechanical inspector, 10 years experience relevant construction experience, registered design professional; less for individuals entering as trainee |

If the regulation is a registration, certification, or license requirement, please complete the following:

| | |
|---|---|
| <p>Examination requirements (<i>Who administers the exam? How is the exam and administrator selected? What fees are charged? Does the Board receive any proceeds of those fees? If so, how are the proceeds used?</i>)</p> | <p>International Code Council (ICC) – M3 or National Certification Program for Construction Code Inspectors (NCPCCI) – 4C Examination costs \$240. The Board’s examination requirements align with requirements for certification issued by International Code Council, therefore the Board only recognizes these exams and does not set fees, etc.</p> |
| <p>Continuing education requirements (<i>Including a description of the curriculum and the process of setting it.</i>)</p> | <p>30 hours of Board-approved continuing education</p> |
| <p>Initial fee</p> | <p>\$50</p> |
| <p>Duration</p> | <p>2-year interim, then 3-year renewal period</p> |
| <p>Renewal fee (<i>If different from initial fee, please explain why.</i>)</p> | <p>\$30</p> |
| <p>Does the Board recognize uniform licensure requirements or allow for reciprocity?</p> | <p>Yes, the Board’s examination requirements align with requirements for certification issued by International Code Council, a certification recognized by many jurisdiction across the country.</p> |
| <p>Are there any similar national registrations, certifications, or licenses? Could they be used as a substitute for the state regulation?</p> | <p>Yes, see above. The Board’s certification requires minimal level of relevant experience in construction in addition to testing to qualify for certification.</p> |

If the regulation is a registration, certification, or license requirement, please complete the following:

| | |
|---|--|
| Are there any circumstances in which an individual may practice elements of the occupation without being regulated by the Board? | No |
| Is the Board permitted to exercise discretion in determining whether to register, certify, or license an individual? | Yes, the Board recognizes other equivalent experience to qualify for certification. |
| Other information (<i>Significant attributes or prerequisites to licensure not addressed in this chart.</i>) | Optional certification; If a building department does not have a certified mechanical plans examiner, master plans examiner can perform duties |

Oversight and disciplinary authority of the Board respecting individuals engaged in the occupation.

See OAC 4101:7-3-01(F)(7) discussed above.

How much revenue is derived from fees charged by the Board to individuals engaged in the occupation (such as license and renewal fees)? How is that revenue used?

The revenue collected from fees charged for personnel certification/renewal is minimal. The Board collected approximately \$87,339/per year from certification fees. See budget/revenue information discussed above.

Describe any federal regulations that apply to the occupation. Does federal law require the state to regulate the occupation?

N/A

What is the harm that the regulation seeks to prevent? (See, R.C. 4798.02(B).)

Review and inspection of Ohio's built environment by qualified individuals is fundamental to safety of its occupants and the protection of property. The codes enforced by Board-certified personnel adopted by the Board are based on international consensus-based standards developed and updated by the International Code Council (ICC). Most states use ICC's model codes as the basis for their building codes, but code requirements are only as good and effective as the individual(s) charged with their interpretation, application and enforcement.

Is the regulation effective at preventing the harm described above? Are there other, less restrictive ways to prevent the harm?

Yes, the Board’s certification program ensures accountability and uniformity in the interpretation and application of the building codes resulting in savings of both building owner’s time and money. However, the Board recently determined to perform an in-depth study to identify trends across the country in code enforcement that may be responding to the changed nature of modern construction as well as a further review of the necessary skills sets to perform code enforcement today for possible changes to certification requirements. We plan to commission a study which we hope to have completed by next year to inform our review.

Are there any changes the Board would like to see implemented?

Not at this time. Awaiting completion of certification study for further discussion.

Surrounding state comparison (LSC)

| Mechanical Plans Examiner (Mechanical Plans Examiner, Mechanical Plans Examiner Trainee, and Interim Mechanical Plans Examiner) | | | | | | |
|--|---|----------------------|--|--|--|--|
| | Ohio | Indiana | Kentucky | Michigan | Pennsylvania | West Virginia |
| License required? | Certification (<i>R.C. 3781.10; O.A.C. 4101:7-3-01(A)(20), (21), and (22)</i>). | No clear equivalent. | Certification (<i>Ky. Rev. Stat. 198B.090 and 198B.095; 815 Ky. Admin. Regs. 7:070</i>). | Registration (<i>Mich. Comp. Laws 339.6009; Mich. Admin. Code R. 408.30004 and 408.30049</i>). | Certification (<i>34 Pa. Code 401.3(a) and 401.7(15)</i>). | Certification (<i>W. Va. Code R. 103-6-3.1.c.4</i>). |

Mechanical Plans Examiner (Mechanical Plans Examiner, Mechanical Plans Examiner Trainee, and Interim Mechanical Plans Examiner)

| | Ohio | Indiana | Kentucky | Michigan | Pennsylvania | West Virginia |
|-----------------------|-------------------|---------|--|--|--------------|---------------|
| Education or training | See "Experience." | N/A | <p>One of the following:</p> <ul style="list-style-type: none"> ▪ High school diploma or equivalent plus two years related experience in construction, architecture, or engineering; ▪ Associate's degree in a design, building technology, or construction-related subject; or ▪ Bachelor's degree in architecture, engineering, fire science, or building technology. | <p>Complete training in all of the following:</p> <ul style="list-style-type: none"> ▪ At least four hours training in administration; ▪ At least one hour in communication skills; ▪ At least eight hours in technical code provisions; ▪ At least two hours in plan review; and ▪ At least three hours in specialty topics. <p><i>(Mich. Admin. Code R. 408.30031.)</i></p> | N/A | N/A |

Mechanical Plans Examiner (Mechanical Plans Examiner, Mechanical Plans Examiner Trainee, and Interim Mechanical Plans Examiner)

| | Ohio | Indiana | Kentucky | Michigan | Pennsylvania | West Virginia |
|------------|--|---------|---|--|--------------|---------------|
| | | | <i>(815 Ky. Admin. Regs. 7:070(3).)</i> | | | |
| Experience | <p>For a mechanical plans examiner or interim mechanical plans examiner, one of the following:</p> <ul style="list-style-type: none"> ▪ At least five years as a building or mechanical inspector; ▪ At least five years as a residential building official, plans examiner, building inspector, or mechanical inspector; ▪ Registration as an architect or professional engineer; or | N/A | See "Education or Training." | <p>Hold a mechanical contractor license for no less than one year in three of four categories (hydronic heating and process piping, HVAC, refrigeration, and fire suppression). Registration is "provisional" until the second three-year registration cycle. <i>(Mich. Comp. Laws 339.5807; Mich. Admin. Code R. 408.30049(6).)</i></p> | N/A | N/A |

Mechanical Plans Examiner (Mechanical Plans Examiner, Mechanical Plans Examiner Trainee, and Interim Mechanical Plans Examiner)

| | Ohio | Indiana | Kentucky | Michigan | Pennsylvania | West Virginia |
|--|--|---------|----------|----------|--------------|---------------|
| | <ul style="list-style-type: none"> ▪ At least ten years as an HVAC tradesperson. <p><i>(O.A.C. 4101:7-3-01(E)(9).)</i></p> <p>A mechanical plans examiner trainee must be a full-time employee of a political subdivision under the direct supervision of a trainee supervisor and one of the following:</p> <ul style="list-style-type: none"> ▪ Graduate an accredited university engineering or architecture program; ▪ At least one year experience as a building | | | | | |

Mechanical Plans Examiner (Mechanical Plans Examiner, Mechanical Plans Examiner Trainee, and Interim Mechanical Plans Examiner)

| | Ohio | Indiana | Kentucky | Michigan | Pennsylvania | West Virginia |
|--|---|---------|----------|----------|--------------|---------------|
| | inspector, fire protection inspector, plumbing inspector, electrical inspector, or mechanical inspector; <ul style="list-style-type: none"> ▪ At least one year of experience as a building official, residential plans examiner, residential building inspector, or residential mechanical inspector; or ▪ At least one year of experience as a designer working under the | | | | | |

Mechanical Plans Examiner (Mechanical Plans Examiner, Mechanical Plans Examiner Trainee, and Interim Mechanical Plans Examiner)

| | Ohio | Indiana | Kentucky | Michigan | Pennsylvania | West Virginia |
|------|--|---------|---|----------|--|---|
| | <p>direct supervision of a professional preparing documents relating to building construction.</p> <p><i>(O.A.C. 4101:7-3-01(F)(5).)</i></p> | | | | | |
| Exam | <p>For a mechanical plans examiner, select exam modules administered by NCPCCI or ICC <i>(O.A.C. 4101:7-3-01(F)(1)(d)).</i></p> <p>For a mechanical plans examiner trainee, exam modules must be completed within allotted time of the trainee program.</p> <p>One-time interim mechanical plans</p> | N/A | <p>Select exam modules administered by NCPCCI or ICC <i>(815 Ky. Admin. Regs. 7:070).</i></p> | N/A | <p>Select modules administered by NCPCCI. May be waived if evidence of commensurate qualification is provided. <i>(34 Pa. Code 401.5 and 401.6.)</i></p> | <p>Select exam modules administered by ICC. Exam is waived for licensed architects and engineers. Two-year probationary certification is available for individuals who have not yet passed the exam. <i>(W. Va. Code R. 103-6-3.1.c.4 and 103-6-6.1.)</i></p> |

Mechanical Plans Examiner (*Mechanical Plans Examiner, Mechanical Plans Examiner Trainee, and Interim Mechanical Plans Examiner*)

| | Ohio | Indiana | Kentucky | Michigan | Pennsylvania | West Virginia |
|----------------------|---|---------|--|--|---|--|
| | <p>examiner certificate may be issued to applicants who meet education and experience requirements but have not completed the required examination. (O.A.C. 4101:7-3-01(F)(2)(a)(i).)</p> | | | | | |
| Continuing education | <p>Complete “Ohio Building Code Academy” requirements during initial certification period (O.A.C. 4104:7-3-01(F)(4)).</p> <p>30 hours every subsequent three-year certification period, including three hours dedicated to code administration,</p> | N/A | 12 hours annually (815 Ky. Admin. Regs. 7:070(4)). | 47 hours every three years (Mich. Admin. Code R. 408.30055). | 15 hours every three years (34 Pa. Code 401.9). | 15 hours every three years (W. Va. Code R. 103-6-4). |

Mechanical Plans Examiner (*Mechanical Plans Examiner, Mechanical Plans Examiner Trainee, and Interim Mechanical Plans Examiner*)

| | Ohio | Indiana | Kentucky | Michigan | Pennsylvania | West Virginia |
|-----------------------|---|---------|--|---|---|--|
| | three hours dedicated to existing buildings, and one hour dedicated to ethics (<i>O.A.C. 4101:7-3-01(F)(4)(a)(ii)</i>). | | | | | |
| Initial licensure fee | \$50 (<i>O.A.C. 4104:7-3-01(F)</i>). | N/A | \$50 (<i>815 Ky. Admin. Regs. 7:070</i>). | \$75 (<i>LARA, Application for Registration of Building Officials, Inspectors, and Plan Reviewers</i>). | \$50 (<i>34 Pa. Code 401.2</i>). | \$75 (<i>W. Va. Code R. 103-6-3</i>). |
| License duration | Three years for a mechanical plans examiner. Six years for a mechanical plans examiner trainee. Two years for an interim mechanical plans examiner. (<i>O.A.C. 4104:7-3-01(F)(2)(a)(i) and (ii) and (5)(d)</i> .) | N/A | One year (<i>815 Ky. Admin. Regs. 7:070(7)</i>). | Three years (<i>Mich. Comp. Laws 339.6011</i>). | Three years (<i>34 Pa. Code 401.8</i>). | Three years (<i>W. Va. Code R. 103-6-5.1</i>). Probationary certification: two years (<i>W. Va. Code R. 103-6-6.1</i>). |

| Mechanical Plans Examiner (Mechanical Plans Examiner, Mechanical Plans Examiner Trainee, and Interim Mechanical Plans Examiner) | | | | | | |
|--|--|----------------|--|--|--|---|
| | Ohio | Indiana | Kentucky | Michigan | Pennsylvania | West Virginia |
| Renewal fee | \$30 (<i>O.A.C. 4104:7-3-01(F)(2)(c)</i>). | N/A | \$50 (<i>815 Ky. Admin. Regs. 7:070(7)</i>). | \$75 (<i>LARA, <u>Application for Registration of Building Officials, Inspectors, and Plan Reviewers</u></i>). | \$50 (<i>34 Pa. Code 401.2(a)(2)</i>). | \$75 (<i>W. Va. Code R. 103-6-5.3</i>). |

Medical gas piping inspector

Survey responses (COM)

| Description |
|--|
| A medical gas piping inspector is responsible for determining compliance with approved construction documents for non-flammable medical gas, medical oxygen, and medical vacuum systems. |

Type (License, specialty license for medical reimbursement, government certification, registration, bonding or insurance, inspection, or process regulation. See R.C. 4798.01 for relevant definitions.)

License

If the regulation is a registration, certification, or license requirement, please complete the following:

| | |
|---|---|
| Number issued annually | Approximately 1 |
| Number renewed annually | Approximately 10 |
| Have there been significant increases or decreases in active registrations, certifications or licenses in the preceding six years? | While no significant increase/decrease in last 6 years, there are a small number of individuals who hold the certification |
| Education or training requirements | Certification by an American Society of Sanitary Engineering (ASSE) recognized third party certifier in accordance with ASSE standard 6020. |
| Experience requirements | N/A |

If the regulation is a registration, certification, or license requirement, please complete the following:

| | |
|---|------------------------------------|
| <p>Examination requirements (<i>Who administers the exam? How is the exam and administrator selected? What fees are charged? Does the Board receive any proceeds of those fees? If so, how are the proceeds used?</i>)</p> | <p>N/A</p> |
| <p>Continuing education requirements (<i>Including a description of the curriculum and the process of setting it.</i>)</p> | <p>Maintain ASSE certification</p> |
| <p>Initial fee</p> | <p>\$50</p> |
| <p>Duration</p> | <p>Every 3 years</p> |
| <p>Renewal fee (<i>If different from initial fee, please explain why.</i>)</p> | <p>\$30</p> |
| <p>Does the Board recognize uniform licensure requirements or allow for reciprocity?</p> | <p>Yes, ASSE certification</p> |
| <p>Are there any similar national registrations, certifications, or licenses? Could they be used as a substitute for the state regulation?</p> | <p>Yes, ASSE certification</p> |

If the regulation is a registration, certification, or license requirement, please complete the following:

| | |
|---|---------------------------------|
| Are there any circumstances in which an individual may practice elements of the occupation without being regulated by the Board? | No |
| Is the Board permitted to exercise discretion in determining whether to register, certify, or license an individual? | No, ASSE certification required |
| Other information (<i>Significant attributes or prerequisites to licensure not addressed in this chart.</i>) | |

Oversight and disciplinary authority of the Board respecting individuals engaged in the occupation.

See OAC 4101:7-3-01(F)(7) discussed above.

How much revenue is derived from fees charged by the Board to individuals engaged in the occupation (such as license and renewal fees)? How is that revenue used?

The revenue collected from fees charged for personnel certification/renewal is minimal. The Board collected approximately \$87,339/per year from certification fees. See budget/revenue information discussed above.

Describe any federal regulations that apply to the occupation. Does federal law require the state to regulate the occupation?

N/A

What is the harm that the regulation seeks to prevent? (See, R.C. 4798.02(B).)

Review and inspection of Ohio's built environment by qualified individuals is fundamental to safety of its occupants and the protection of property. The codes enforced by Board-certified personnel adopted by the Board are based on international consensus-based standards developed and updated by the International Code Council (ICC). Most states use ICC's model codes as the basis for their building codes, but code requirements are only as good and effective as the individual(s) charged with their interpretation, application and enforcement.

Is the regulation effective at preventing the harm described above? Are there other, less restrictive ways to prevent the harm?

Yes, the Board’s certification program ensures accountability and uniformity in the interpretation and application of the building codes resulting in savings of both building owner’s time and money. However, the Board recently determined to perform an in-depth study to identify trends across the country in code enforcement that may be responding to the changed nature of modern construction as well as a further review of the necessary skills sets to perform code enforcement today for possible changes to certification requirements. We plan to commission a study which we hope to have completed by next year to inform our review.

Are there any changes the Board would like to see implemented?

Not at this time. Awaiting completion of certification study for further discussion.

Surrounding state comparison (LSC)

| Medical Gas Piping Inspector | | | | | | |
|------------------------------|---|----------------------|----------------------|----------------------|----------------------|----------------------|
| | Ohio | Indiana | Kentucky | Michigan | Pennsylvania | West Virginia |
| License required? | Certification (<i>R.C. 3781.10; O.A.C. 4101:7-3-01(A)(49)</i>). | No clear equivalent. | No clear equivalent. | No clear equivalent. | No clear equivalent. | No clear equivalent. |
| Education or training | Certification by the American Society of Sanitary Engineering | N/A | N/A | N/A | N/A | N/A |

Medical Gas Piping Inspector

| | Ohio | Indiana | Kentucky | Michigan | Pennsylvania | West Virginia |
|-----------------------|---|----------------|-----------------|-----------------|---------------------|----------------------|
| | (ASSE) (O.A.C. 4101:7-3-01(E)(20)). | | | | | |
| Experience | N/A | N/A | N/A | N/A | N/A | N/A |
| Exam | N/A | N/A | N/A | N/A | N/A | N/A |
| Continuing education | Maintenance of ASSE certification (O.A.C. 4101:7-3-01(F)(4)). | N/A | N/A | N/A | N/A | N/A |
| Initial licensure fee | \$50 (O.A.C. 4104:7-3-01(F)). | N/A | N/A | N/A | N/A | N/A |
| License duration | Three years (O.A.C. 4104:7-3-01(F)(2)(b)). | N/A | N/A- | N/A | N/A | N/A |
| Renewal fee | \$30 (O.A.C. 4104:7-3-01(F)(2)(c)). | N/A | N/A | N/A | N/A | N/A |

Plumbing inspector

Survey responses (COM)

| Description |
|--|
| A plumbing inspector is responsible for determining plumbing system compliance with approved construction documents. |

| Type (License, specialty license for medical reimbursement, government certification, registration, bonding or insurance, inspection, or process regulation. See R.C. 4798.01 for relevant definitions.) |
|--|
| License |

| If the regulation is a registration, certification, or license requirement, please complete the following: | |
|--|-------------------|
| Number issued annually | Approximately 10 |
| Number renewed annually | Approximately 100 |

| If the regulation is a registration, certification, or license requirement, please complete the following: | |
|--|--|
| Have there been significant increases or decreases in active registrations, certifications or licenses in the preceding six years? | Yes, increase by 30% in 2021 due to HB 110 elimination of Division of Industrial Compliance plumbing inspector certification and consolidation with Board's certification. |
| Education or training requirements | Completion of Board-sponsored code academy during interim certification (free online or in-person training offered twice per year) |
| Experience requirements | 7 years experience relevant construction experience; less for individuals entering as trainee |
| Examination requirements (<i>Who administers the exam? How is the exam and administrator selected? What fees are charged? Does the Board receive any proceeds of those fees? If so, how are the proceeds used?</i>) | International Code Council (ICC) – 5A, 5B or National Certification Program for Construction Code Inspectors (NCPCCI) – P1, P2 Examination costs \$240. The Board's examination requirements align with requirements for certification issued by International Code Council, therefore the Board only recognizes these exams and does not set fees, etc. |
| Continuing education requirements (<i>Including a description of the curriculum and the process of setting it.</i>) | 30 hours of Board-approved continuing education |
| Initial fee | \$50 |
| Duration | 2-year interim, then 3-year renewal period |
| Renewal fee (<i>If different from initial fee, please explain why.</i>) | \$30 |

| If the regulation is a registration, certification, or license requirement, please complete the following: | |
|---|---|
| Does the Board recognize uniform licensure requirements or allow for reciprocity? | Yes, the Board's examination requirements align with requirements for certification issued by International Code Council, a certification recognized by many jurisdiction across the country. |
| Are there any similar national registrations, certifications, or licenses? Could they be used as a substitute for the state regulation? | Yes, see above. The Board's certification requires minimal level of relevant experience in construction in addition to testing to qualify for certification. |
| Are there any circumstances in which an individual may practice elements of the occupation without being regulated by the Board? | No |
| Is the Board permitted to exercise discretion in determining whether to register, certify, or license an individual? | Yes, the Board recognizes other equivalent experience to qualify for certification. |
| Other information (Significant attributes or prerequisites to licensure not addressed in this chart.) | |

Oversight and disciplinary authority of the Board respecting individuals engaged in the occupation.

See OAC 4101:7-3-01(F)(7) discussed above.

How much revenue is derived from fees charged by the Board to individuals engaged in the occupation (such as license and renewal fees)? How is that revenue used?

The revenue collected from fees charged for personnel certification/renewal is minimal. The Board collected approximately \$87,339/per year from certification fees. See budget/revenue information discussed above.

Describe any federal regulations that apply to the occupation. Does federal law require the state to regulate the occupation?

N/A

What is the harm that the regulation seeks to prevent? (See, R.C. 4798.02(B).)

Review and inspection of Ohio's built environment by qualified individuals is fundamental to safety of its occupants and the protection of property. The codes enforced by Board-certified personnel adopted by the Board are based on international consensus-based standards developed and updated by the International Code Council (ICC). Most states use ICC's model codes as the basis for their building codes, but code requirements are only as good and effective as the individual(s) charged with their interpretation, application and enforcement.

Is the regulation effective at preventing the harm described above? Are there other, less restrictive ways to prevent the harm?

Yes, the Board’s certification program ensures accountability and uniformity in the interpretation and application of the building codes resulting in savings of both building owner’s time and money. However, the Board recently determined to perform an in-depth study to identify trends across the country in code enforcement that may be responding to the changed nature of modern construction as well as a further review of the necessary skills sets to perform code enforcement today for possible changes to certification requirements. We plan to commission a study which we hope to have completed by next year to inform our review.

Are there any changes the Board would like to see implemented?

Not at this time. Awaiting completion of certification study for further discussion.

Surrounding state comparison (LSC)

| Plumbing Inspector (Plumbing Inspector, Plumbing Inspector Trainee, and Interim Plumbing Inspector) | | | | | | |
|--|--|--|---|---|---|---|
| | Ohio | Indiana | Kentucky | Michigan | Pennsylvania | West Virginia |
| License required? | Certification (<i>R.C. 3781.10(E); O.A.C. 4101:7-3-01(A)(46), (47), and (48)</i>). | No clear equivalent. Local regulations apply. (<i>Ind. Code 36-7-8-6.</i>) | Certification (<i>Ky. Rev. Stat. 198B.090(1)(c), 318.090, and 318.140</i>). | Registration (<i>Mich. Admin. Code R. 408.30031</i>). | Certification (<i>34 Pa. Code 401.3 and 401.7</i>). | Certification (<i>W. Va. Code R. 87-7-3</i>). |

| Plumbing Inspector (<i>Plumbing Inspector, Plumbing Inspector Trainee, and Interim Plumbing Inspector</i>) | | | | | | |
|--|---|---------|--|--|---|---------------|
| | Ohio | Indiana | Kentucky | Michigan | Pennsylvania | West Virginia |
| Education or training | <p>For a plumbing inspector or interim plumbing inspector, one of the following:</p> <ul style="list-style-type: none"> ▪ At least seven years of experience in the installation of plumbing subject to inspection; ▪ A degree in engineering or architecture plus three years of experience in plumbing system design; or ▪ Completion of the plumbing inspector trainee program. | N/A | <p>None, but education and training is required for master or journeyman plumber's license which is a prerequisite to being a plumbing inspector (<i>Ky. Rev. Stat. 198B.090(1)(c), 318.090, and 318.140</i>).</p> | <p>Complete training in all of the following:</p> <ul style="list-style-type: none"> ▪ At least four hours in administration and enforcement of statutes and regulations; ▪ At least one hour in communication skills; ▪ At least eight hours in technical code provisions; ▪ At least two hours in plan review; and ▪ At least three hours of specialty training based | <p>None specified by state law, but education or training may be required to sit for master plumber examination</p> | N/A |

Plumbing Inspector (*Plumbing Inspector, Plumbing Inspector Trainee, and Interim Plumbing Inspector*)

| | Ohio | Indiana | Kentucky | Michigan | Pennsylvania | West Virginia |
|--|--|---------|----------|--|--------------|---------------|
| | <p>(O.A.C. 4101:7-3-01 (E)(16).)</p> <p>A plumbing inspector trainee must be a full-time employee of a political subdivision under the direct supervision of a trainee supervisor and have three years of experience in installing plumbing systems subject to inspection. Up to one year of the experience requirement may be met through the completion of an approved vocational or technical program. (O.A.C. 4101:7-3-01(F)(5)(viii) and (F)(6).)</p> | | | <p>on classification.</p> <p>(Mich. Admin. Code R. 408.30031).</p> | | |

| Plumbing Inspector (<i>Plumbing Inspector, Plumbing Inspector Trainee, and Interim Plumbing Inspector</i>) | | | | | | |
|--|--|---------|--|--|---|--|
| | Ohio | Indiana | Kentucky | Michigan | Pennsylvania | West Virginia |
| Experience | See "Education or training." | N/A | Eight years of experience as a master or journeyman plumber (<i>Ky. Rev. Stat. 318.090 and 318.140(2)</i>). | Two years of experience as a licensed journeyman plumber or currently licensed as a master plumber. Registration is "provisional" until second three-year registration cycle. (<i>Mich. Admin. Code R. 408.30046 and 408.30031.</i>) | Person appointed as city plumbing inspector must have ten years of relevant experience (<i>53 Pa. Cons. Stat. 4599</i>). No experience requirement for general plumbing inspector certification. | N/A |
| Exam | For a plumbing inspector, select exam modules administered by NCPCCI or ICC (<i>O.A.C. 4101:7-3-01(F)(1)(d)</i>). For a plumbing inspector trainee, exam modules must be completed within | N/A | None, but NCPCCI or ICC exam is required for master or journeyman plumber's license which is a prerequisite to being a plumbing inspector (<i>Ky. Rev. Stat. 198B.090(1)(c)</i> , | N/A | Pass the license examination for master plumbers and the general plumbing exam administered by NCPCCI or ICC (<i>53 Pa. Cons. Stat. 15330; 34 Pa. Code 401.6</i>). | Select exam modules administered by ICC. Exam is waived for licensed architects and engineers. Two-year probationary certification is available to individuals who |

| Plumbing Inspector (<i>Plumbing Inspector, Plumbing Inspector Trainee, and Interim Plumbing Inspector</i>) | | | | | | |
|--|---|---------|---|--|---|--|
| | Ohio | Indiana | Kentucky | Michigan | Pennsylvania | West Virginia |
| | <p>allotted time of the trainee program.</p> <p>One-time interim plumbing inspector certificate may be issued to applicants who meet education and experience requirements but have not completed the required examination.</p> <p><i>(O.A.C. 4101:7-3-01(F)(2)(a)(i).)</i></p> | | <p><i>318.090, and 318.140).</i></p> | | | <p>have not yet passed the exam. <i>(W. Va. Code R. 87-7-3 and 6.)</i></p> |
| Continuing education | <p>Complete “Ohio Building Code Academy” requirements during initial certification period <i>(O.A.C. 4101:7-3-01(F)(4)(a)(i)).</i></p> | N/A | <p>None, but six hours per year are required for master and journeyman plumber’s licenses. <i>(815 Ky. Admin. Regs. 2:010).</i></p> | <p>47 hours every three years <i>(Mich. Admin. Code R. 408.30055).</i></p> | <p>15 hours every three years <i>(34 Pa. Code 401.9).</i></p> | <p>15 hours every three years <i>(W. Va. Code R. 87-7-4).</i></p> |

Plumbing Inspector (*Plumbing Inspector, Plumbing Inspector Trainee, and Interim Plumbing Inspector*)

| | Ohio | Indiana | Kentucky | Michigan | Pennsylvania | West Virginia |
|-----------------------|---|---------|----------|---|---|---|
| | 30 hours every subsequent three-year certification period, including three hours dedicated to code administration, three hours dedicated to existing buildings, and one hour dedicated to ethics. (<i>O.A.C. 4101:7-3-01(F)(4)(a)(ii).</i>) | | | | | |
| Initial licensure fee | \$50 (<i>O.A.C. 4101:7-3-01(F).</i>) | N/A | N/A | \$75 (<i>LARA, Application for Registration of Building Officials, Inspectors, and Plan Reviewers</i>). | \$50 (<i>34 Pa. Code 401.2</i>). | \$75 (<i>W. Va. Code R. 87-7-3</i>). |
| License duration | Three years for a plumbing inspector. Six years for a plumbing inspector trainee. | N/A | N/A | Three years (<i>Mich. Admin. Code R. 408.30031</i>). | Three years (<i>34 Pa. Code 401.4</i>). | Three years (<i>W. Va. Code R. 87-7-5</i>). |

| Plumbing Inspector (<i>Plumbing Inspector, Plumbing Inspector Trainee, and Interim Plumbing Inspector</i>) | | | | | | |
|--|---|---------|----------|---|------------------------------------|--|
| | Ohio | Indiana | Kentucky | Michigan | Pennsylvania | West Virginia |
| | Two years for an interim plumbing inspector. <i>(O.A.C. 4101:7-3-01(F)(2)(a)(i) and (ii) and (F)(5)(d).)</i> | | | | | |
| Renewal fee | \$30 (<i>O.A.C. 4101:7-3-01(F)(2)(c).</i>) | N/A | N/A | \$75 (<i>LARA, Application for Registration of Building Officials, Inspectors, and Plan Reviewers.</i>) | \$50 (<i>34 Pa. Code 401.2.</i>) | \$75 (<i>W. Va. Code R. 87-7-5.</i>) |

Plumbing plans examiner

Survey responses (COM)

| Description |
|---|
| A plumbing plans examiner is responsible for the examination of construction documents related to plumbing systems. |

Type (License, specialty license for medical reimbursement, government certification, registration, bonding or insurance, inspection, or process regulation. See R.C. 4798.01 for relevant definitions.)

License

If the regulation is a registration, certification, or license requirement, please complete the following:

| | |
|--|--|
| Number issued annually | Approximately 5 |
| Number renewed annually | Approximately 30 |
| Have there been significant increases or decreases in active registrations, certifications or licenses in the preceding six years? | Yes, increase by 30% in 2021 due to HB 110 elimination of Division of Industrial Compliance plumbing inspector certification and consolidation with Board's certification. |
| Education or training requirements | Completion of Board-sponsored code academy during interim certification (free online or in-person training offered twice per year) |
| Experience requirements | 5 years experience plumbing inspector, 10 years experience relevant construction experience, registered design professional; less for individuals entering as trainee |
| Examination requirements (Who administers the exam? How is the exam and administrator selected? What fees are charged? Does the Board receive any | International Code Council (ICC) – 5C or National Certification Program for Construction Code Inspectors (NCPCCI) – P3 |

| If the regulation is a registration, certification, or license requirement, please complete the following: | |
|--|---|
| <i>proceeds of those fees? If so, how are the proceeds used?)</i> | Examination costs \$240. The Board's examination requirements align with requirements for certification issued by International Code Council, therefore the Board only recognizes these exams and does not set fees, etc. |
| Continuing education requirements <i>(Including a description of the curriculum and the process of setting it.)</i> | 30 hours of Board-approved continuing education |
| Initial fee | \$50 |
| Duration | 2-year interim, then 3-year renewal period |
| Renewal fee <i>(If different from initial fee, please explain why.)</i> | \$30 |
| Does the Board recognize uniform licensure requirements or allow for reciprocity? | Yes, the Board's examination requirements align with requirements for certification issued by International Code Council, a certification recognized by many jurisdiction across the country. |
| Are there any similar national registrations, certifications, or licenses? Could they be used as a substitute for the state regulation? | Yes, see above. The Board's certification requires minimal level of relevant experience in construction in addition to testing to qualify for certification. |
| Are there any circumstances in which an individual may practice elements of the occupation without being regulated by the Board? | No |

If the regulation is a registration, certification, or license requirement, please complete the following:

Is the Board permitted to exercise discretion in determining whether to register, certify, or license an individual?

Yes, the Board recognizes other equivalent experience to qualify for certification.

Other information (*Significant attributes or prerequisites to licensure not addressed in this chart.*)

Optional certification; If a building department does not have a certified plumbing plans examiner, master plans examiner can perform duties

Oversight and disciplinary authority of the Board respecting individuals engaged in the occupation.

See OAC 4101:7-3-01(F)(7) discussed above.

How much revenue is derived from fees charged by the Board to individuals engaged in the occupation (such as license and renewal fees)? How is that revenue used?

The revenue collected from fees charged for personnel certification/renewal is minimal. The Board collected approximately \$87,339/per year from certification fees. See budget/revenue information discussed above.

Describe any federal regulations that apply to the occupation. Does federal law require the state to regulate the occupation?

N/A

What is the harm that the regulation seeks to prevent? (See, R.C. 4798.02(B).)

Review and inspection of Ohio's built environment by qualified individuals is fundamental to safety of its occupants and the protection of property. The codes enforced by Board-certified personnel adopted by the Board are based on international consensus-based standards developed and updated by the International Code Council (ICC). Most states use ICC's model codes as the basis for their building codes, but code requirements are only as good and effective as the individual(s) charged with their interpretation, application and enforcement.

Is the regulation effective at preventing the harm described above? Are there other, less restrictive ways to prevent the harm?

Yes, the Board's certification program ensures accountability and uniformity in the interpretation and application of the building codes resulting in savings of both building owner's time and money. However, the Board recently determined to perform an in-depth study to identify trends across the country in code enforcement that may be responding to the changed nature of modern construction as well as a further review of the necessary skills sets to perform code enforcement today for possible changes to certification requirements. We plan to commission a study which we hope to have completed by next year to inform our review.

Are there any changes the Board would like to see implemented?

Not at this time. Awaiting completion of certification study for further discussion.

Surrounding state comparison (LSC)

Plumbing Plans Examiner (Plumbing Plans Examiner, Plumbing Plans Examiner Trainee, Interim Plumbing Plans Examiner)

| | Ohio | Indiana | Kentucky | Michigan | Pennsylvania | West Virginia |
|-----------------------|--|--|--|--|---|---|
| License required? | Certification (<i>R.C. 3781.10(E); O.A.C. 4101:7-3-01(A)(17), (18), and (19)</i>). | No clear equivalent. Local regulations apply. (<i>Ind. Code 36-7-8-6.</i>) | No clear equivalent. Duties might fall under general plans and specifications inspector designation. (<i>Ky. Rev. Stat. 198B.090.</i>) | No clear equivalent. Duties might be covered by plan reviewer registration. (<i>Mich. Admin. Code R. 408.30049.</i>) | Certification (<i>34 Pa. Code 401.3 and 401.7</i>). | Certification (<i>W. Va. Code R. 87-7-3</i>). |
| Education or training | For a plumbing plans examiner or interim plumbing plans examiner, one of the following: <ul style="list-style-type: none"> At least five years of | N/A | N/A | N/A | N/A | N/A |

Plumbing Plans Examiner (*Plumbing Plans Examiner, Plumbing Plans Examiner Trainee, Interim Plumbing Plans Examiner*)

| | Ohio | Indiana | Kentucky | Michigan | Pennsylvania | West Virginia |
|--|--|---------|----------|----------|--------------|---------------|
| | <p>experience as a full-time plumbing inspector in a certified building department, the Division of Industrial Compliance, elsewhere in the Ohio Department of Commerce, or a county board of health;</p> <ul style="list-style-type: none"> ▪ Registered in Ohio as an architect or professional engineer; or ▪ At least ten years of experience as a full-time skilled tradesman for heating, ventilation, | | | | | |

Plumbing Plans Examiner (*Plumbing Plans Examiner, Plumbing Plans Examiner Trainee, Interim Plumbing Plans Examiner*)

| | Ohio | Indiana | Kentucky | Michigan | Pennsylvania | West Virginia |
|--|--|---------|----------|----------|--------------|---------------|
| | <p>and air conditioning (HVAC) systems and associated refrigeration, fuel gas, and heating piping work, subject to inspection.</p> <p><i>(O.A.C. 4101:7-3-01(E)(8).)</i></p> <p>A plumbing plans examiner trainee must be a full-time employee of a political subdivision under the direct supervision of a trainee supervisor and meet one of the following criteria:</p> <ul style="list-style-type: none"> ▪ Graduate of an accredited architecture or engineering | | | | | |

Plumbing Plans Examiner (*Plumbing Plans Examiner, Plumbing Plans Examiner Trainee, Interim Plumbing Plans Examiner*)

| | Ohio | Indiana | Kentucky | Michigan | Pennsylvania | West Virginia |
|--|--|---------|----------|----------|--------------|---------------|
| | <p>university program; or</p> <ul style="list-style-type: none"> ▪ At least one year of experience as a full-time plumbing inspector in a certified building department, the Division of Industrial Compliance, elsewhere in the Ohio Department of Commerce, or a county board of health. <p>Up to one year of the experience requirement for a plumbing plans examiner trainee may be met through the completion of an approved</p> | | | | | |

Plumbing Plans Examiner (*Plumbing Plans Examiner, Plumbing Plans Examiner Trainee, Interim Plumbing Plans Examiner*)

| | Ohio | Indiana | Kentucky | Michigan | Pennsylvania | West Virginia |
|------------|--|---------|----------|----------|--|---|
| | vocational or technical program. <i>(O.A.C. 4101:7-3-01 (F)(5)(iv) and (F)(6).)</i> | | | | | |
| Experience | See “Education or training.” | N/A | N/A | N/A | N/A | N/A |
| Exam | For a plumbing plans examiner, select exam modules administered by NCPCCI or ICC. <i>(O.A.C. 4101:7-3-01(F)(1)(d)).</i> For a plumbing plans examiner trainee, exam modules must be completed within allotted time of the trainee program. One-time interim plumbing plans examiner | N/A | N/A | N/A | Select modules administered by NCPCCI or ICC <i>(34 Pa. Code 401.6).</i> | Select exam modules administered by ICC. Exam is waived for licensed architects and engineers. Two-year probationary certification is available to individuals who have not yet passed the exam. <i>(W. Va. Code R. 87-7-3 and 6.)</i> |

Plumbing Plans Examiner (*Plumbing Plans Examiner, Plumbing Plans Examiner Trainee, Interim Plumbing Plans Examiner*)

| | Ohio | Indiana | Kentucky | Michigan | Pennsylvania | West Virginia |
|----------------------|--|---------|----------|----------|--|--|
| | <p>certificate may be issued to applicants who meet education and experience requirements but have not completed the required examination.</p> <p><i>(O.A.C. 4101:7-3-01(F)(2)(a)(i).)</i></p> | | | | | |
| Continuing education | <p>Complete "Ohio Building Code Academy" requirements during initial certification period <i>(O.A.C. 4101:7-3-01(F)(4)(a)(i)).</i></p> <p>30 hours every subsequent three-year certification period, including three hours dedicated to code administration, three hours</p> | N/A | N/A | N/A | 15 hours every three years <i>(34 Pa. Code 401.9).</i> | 15 hours every three years <i>(W. Va. Code R. 87-7-4).</i> |

Plumbing Plans Examiner (*Plumbing Plans Examiner, Plumbing Plans Examiner Trainee, Interim Plumbing Plans Examiner*)

| | Ohio | Indiana | Kentucky | Michigan | Pennsylvania | West Virginia |
|-----------------------|--|---------|----------|----------|---|---|
| | dedicated to existing buildings, and one hour dedicated to ethics (<i>O.A.C. 4101:7-3-01(F)(4)(a)(ii)</i>). | | | | | |
| Initial licensure fee | \$50 (<i>O.A.C. 4101:7-3-01(F)</i>). | N/A | N/A | N/A | \$50 (<i>34 Pa. Code 401.2</i>). | \$75 (<i>W. Va. Code R. 87-7-3</i>). |
| License duration | Three years for a plumbing plans examiner. Six years for a plumbing plans examiner trainee. Two years for an interim plumbing plans examiner. (<i>O.A.C. 4101:7-3-01(F)(2)(a)(i) and (ii) and (F)(5)(d)</i> .) | N/A | N/A | N/A | Three years (<i>34 Pa. Code 401.4</i>). | Three years (<i>W. Va. Code R. 87-7-5</i>). |
| Renewal fee | \$30 (<i>O.A.C. 4101:7-3-01(F)(2)(c)</i>). | N/A | N/A | N/A | \$50 (<i>34 Pa. Code 401.2</i>). | \$75 (<i>W. Va. Code R. 87-7-5</i>). |

Residential building inspector

Survey responses (COM)

| Description |
|--|
| A residential building inspector is responsible for determining compliance with the approved residential construction. |

| Type (License, specialty license for medical reimbursement, government certification, registration, bonding or insurance, inspection, or process regulation. See R.C. 4798.01 for relevant definitions.) |
|--|
| License |

| If the regulation is a registration, certification, or license requirement, please complete the following: | |
|--|---|
| Number issued annually | Approximately 40 |
| Number renewed annually | Approximately 150 |
| Have there been significant increases or decreases in active registrations, | No significant increase/decrease in last 6 years. |

| If the regulation is a registration, certification, or license requirement, please complete the following: | |
|--|--|
| certifications or licenses in the preceding six years? | |
| Education or training requirements | Completion of Board-sponsored code academy during interim certification (free online or in-person training offered twice per year) |
| Experience requirements | 3 years experience relevant construction experience or approved commercial certification |
| Examination requirements (<i>Who administers the exam? How is the exam and administrator selected? What fees are charged? Does the Board receive any proceeds of those fees? If so, how are the proceeds used?</i>) | International Code Council (ICC) – B1 or National Certification Program for Construction Code Inspectors (NCPCCI) – 1A Examination costs \$240. The Board’s examination requirements align with requirements for certification issued by International Code Council, therefore the Board only recognizes these exams and does not set fees, etc. **Examinations are waived if already hold related commercial certification |
| Continuing education requirements (<i>Including a description of the curriculum and the process of setting it.</i>) | 30 hours of Board-approved continuing education |
| Initial fee | \$50 |
| Duration | 2-year interim, then 3-year renewal period |
| Renewal fee (<i>If different from initial fee, please explain why.</i>) | \$30 |
| Does the Board recognize uniform licensure requirements or allow for reciprocity? | Yes, the Board’s examination requirements align with requirements for certification issued by International Code Council, a certification recognized by many jurisdiction across the country. |

If the regulation is a registration, certification, or license requirement, please complete the following:

| | |
|---|---|
| <p>Are there any similar national registrations, certifications, or licenses? Could they be used as a substitute for the state regulation?</p> | <p>Yes, see above. The Board’s certification requires minimal level of relevant experience in construction in addition to testing to qualify for certification.</p> |
| <p>Are there any circumstances in which an individual may practice elements of the occupation without being regulated by the Board?</p> | <p>No</p> |
| <p>Is the Board permitted to exercise discretion in determining whether to register, certify, or license an individual?</p> | <p>Yes, the Board recognizes other equivalent experience to qualify for certification.</p> |
| <p>Other information (<i>Significant attributes or prerequisites to licensure not addressed in this chart.</i>)</p> | |

Oversight and disciplinary authority of the Board respecting individuals engaged in the occupation.

See OAC 4101:7-3-01(F)(7) discussed above.

How much revenue is derived from fees charged by the Board to individuals engaged in the occupation (such as license and renewal fees)? How is that revenue used?

The revenue collected from fees charged for personnel certification/renewal is minimal. The Board collected approximately \$87,339/per year from certification fees. See budget/revenue information discussed above.

Describe any federal regulations that apply to the occupation. Does federal law require the state to regulate the occupation?

N/A

What is the harm that the regulation seeks to prevent? (See, R.C. 4798.02(B).)

Review and inspection of Ohio's built environment by qualified individuals is fundamental to safety of its occupants and the protection of property. The codes enforced by Board-certified personnel adopted by the Board are based on international consensus-based standards developed and updated by the International Code Council (ICC). Most states use ICC's model codes as the basis for their building codes, but code requirements are only as good and effective as the individual(s) charged with their interpretation, application and enforcement.

Is the regulation effective at preventing the harm described above? Are there other, less restrictive ways to prevent the harm?

Yes, the Board’s certification program ensures accountability and uniformity in the interpretation and application of the building codes resulting in savings of both building owner’s time and money. However, the Board recently determined to perform an in-depth study to identify trends across the country in code enforcement that may be responding to the changed nature of modern construction as well as a further review of the necessary skills sets to perform code enforcement today for possible changes to certification requirements. We plan to commission a study which we hope to have completed by next year to inform our review.

Are there any changes the Board would like to see implemented?

Not at this time. Awaiting completion of certification study for further discussion.

Surrounding state comparison (LSC)

| Residential Building Inspector (Residential Building Inspector, Residential Building Inspector Trainee, Interim Residential Building Inspector) | | | | | | |
|--|--|--|---|---|---|---|
| | Ohio | Indiana | Kentucky | Michigan | Pennsylvania | West Virginia |
| License required? | Certification (<i>R.C. 3781.10(E); O.A.C. 4101:7-3-01(A)(29), (30), and (31)</i>). | No clear equivalent. Local regulations apply. (<i>Ind. Code 36-7-8-6.</i>) | Certification (<i>Ky. Rev. Stat. 198B.090</i>). | Registration (<i>Mich. Admin. Code R. 408.30031</i>). | Certification (<i>34 Pa. Code 401.3 and 401.7</i>). | Certification (<i>W. Va. Code R. 87-7-3</i>). |

Residential Building Inspector (*Residential Building Inspector, Residential Building Inspector Trainee, Interim Residential Building Inspector*)

| | Ohio | Indiana | Kentucky | Michigan | Pennsylvania | West Virginia |
|-----------------------|---|---------|---|--|--------------|---------------|
| Education or training | <p>For a residential building inspector or interim residential building inspector, one of the following:</p> <ul style="list-style-type: none"> ▪ At least three years of experience as a contractor or supervisor for residential or nonresidential buildings or structures regulated by the board; ▪ At least three years of experience as a skilled tradesperson for work subject to inspection; or ▪ Completion of the residential | N/A | <p>Complete orientation training provided or approved by the Department of Housing, Buildings, and Construction, and one of the following:</p> <ul style="list-style-type: none"> ▪ Graduate high school and complete two years of architectural, engineering, or construction experience; ▪ Associate’s degree in design, building technology, or a construction-related subject; or | <p>Complete training in all of the following:</p> <ul style="list-style-type: none"> ▪ At least four hours in administration and enforcement of statutes and regulations; ▪ At least one hour in communication skills; ▪ At least eight hours in technical code provisions; ▪ At least two hours in plan review; and ▪ At least three hours of specialty training based | N/A | N/A |

Residential Building Inspector (*Residential Building Inspector, Residential Building Inspector Trainee, Interim Residential Building Inspector*)

| | Ohio | Indiana | Kentucky | Michigan | Pennsylvania | West Virginia |
|--|---|---------|---|---|--------------|---------------|
| | <p>building inspector trainee program.</p> <p><i>(O.A.C. 4101:7-3-01(E)(12).)</i></p> <p>A residential building inspector trainee must be a full-time employee of a political subdivision under the direct supervision of a trainee supervisor and have at least one year of experience as a skilled tradesperson for work subject to inspection. Up to one year of the experience requirement may be met through the completion of an approved</p> | | <ul style="list-style-type: none"> ▪ Bachelor's degree in architecture, engineering, fire science, or building technology. <p><i>(815 Ky. Admin. Regs. 7:070.)</i></p> | <p>on classification.</p> <p><i>(Mich. Admin. Code R. 408.30031.)</i></p> | | |

Residential Building Inspector (*Residential Building Inspector, Residential Building Inspector Trainee, Interim Residential Building Inspector*)

| | Ohio | Indiana | Kentucky | Michigan | Pennsylvania | West Virginia |
|------------|---|---------|------------------------------|--|--------------|---------------|
| | vocational or technical program. (O.A.C. 4101:7-3-01 (F)(5)(vii) and (F)(6).) | | | | | |
| Experience | See “Education or training.” | N/A | See “Education or training.” | At least four years of experience as a residential builder, building contractor, architect, engineer, project manager, or out-of-state building inspector. A four-year degree in a construction-related field may be substituted for up to two years of experience. A two-year degree in a construction-related field may be substituted for up to one year of experience. | N/A | N/A |

| Residential Building Inspector (<i>Residential Building Inspector, Residential Building Inspector Trainee, Interim Residential Building Inspector</i>) | | | | | | |
|--|--|---------|--|---|--|---|
| | Ohio | Indiana | Kentucky | Michigan | Pennsylvania | West Virginia |
| | | | | Registration is "provisional" until second three-year registration cycle. <i>(Mich. Admin. Code R. 408.30037 and 408.30031.)</i> | | |
| Exam | For a residential building inspector, select exam modules administered by NCPCCI or ICC (<i>O.A.C. 4101:7-3-01(F)(1)(d)</i>). For a residential building inspector trainee, exam modules must be completed within allotted time of the trainee program. One-time interim residential building inspector certificate may be | N/A | For a building inspector, select exam modules administered by the NCPCCI or ICC. Building inspector trainee certification available for individuals who have not yet completed the required exam. <i>(815 Ky. Admin. Regs. 7:070.)</i> | N/A | Select modules administered by NCPCCI or ICC (<i>34 Pa. Code 401.6</i>). | Select exam modules administered by ICC. Exam is waived for licensed architects and engineers. Two-year probationary certification is available to individuals who have not yet passed the exam. <i>(W. Va. Code R. 87-7-3 and 6.)</i> |

Residential Building Inspector (*Residential Building Inspector, Residential Building Inspector Trainee, Interim Residential Building Inspector*)

| | Ohio | Indiana | Kentucky | Michigan | Pennsylvania | West Virginia |
|----------------------|---|---------|---|--|---|---|
| | <p>issued to applicants who meet education and experience requirements but have not completed the required examination.</p> <p><i>(O.A.C. 4101:7-3-01(F)(2)(a)(i).)</i></p> | | | | | |
| Continuing education | <p>Complete “Ohio Building Code Academy” requirements during initial certification period <i>(O.A.C. 4101:7-3-01(F)(4)(a)(i)).</i></p> <p>30 hours every subsequent three-year certification period, including three hours dedicated to code administration, three hours dedicated to</p> | N/A | <p>12 hours annually <i>(815 Ky. Admin. Regs. 7:070).</i></p> | <p>47 hours every three years <i>(Mich. Admin. Code R. 408.30055).</i></p> | <p>15 hours every three years <i>(34 Pa. Code 401.9).</i></p> | <p>15 hours every three years <i>(W. Va. Code R. 87-7-4).</i></p> |

| Residential Building Inspector (<i>Residential Building Inspector, Residential Building Inspector Trainee, Interim Residential Building Inspector</i>) | | | | | | |
|--|---|---------|---|---|---|---|
| | Ohio | Indiana | Kentucky | Michigan | Pennsylvania | West Virginia |
| | existing buildings, and one hour dedicated to ethics (<i>O.A.C. 4101:7-3-01(F)(4)(a)(ii)</i>). | | | | | |
| Initial licensure fee | \$50 (<i>O.A.C. 4101:7-3-01(F)</i>). | N/A | \$50 (<i>815 Ky. Admin. Regs. 7:070</i>). | \$75 (<i>LARA, Application for Registration of Building Officials, Inspectors, and Plan Reviewers</i>). | \$50 (<i>34 Pa. Code 401.2</i>). | \$75 (<i>W. Va. Code R. 87-7-3</i>). |
| License duration | Three years for a residential building inspector. Six years for a residential building inspector trainee. Two years for an interim residential building inspector. (<i>O.A.C. 4101:7-3-01(F)(2)(a)(i) and (ii) and (F)(5)(d)</i> .) | N/A | One year (<i>815 Ky. Admin. Regs. 7:070</i>). | Three years (<i>Mich. Admin. Code R. 408.30031</i>). | Three years (<i>34 Pa. Code 401.4</i>). | Three years (<i>W. Va. Code R. 87-7-5</i>). |

| Residential Building Inspector (<i>Residential Building Inspector, Residential Building Inspector Trainee, Interim Residential Building Inspector</i>) | | | | | | |
|--|--|---------|---|---|------------------------------------|--|
| | Ohio | Indiana | Kentucky | Michigan | Pennsylvania | West Virginia |
| Renewal fee | \$30 (<i>O.A.C. 4101:7-3-01(F)(2)(c)</i>). | N/A | \$50 (<i>815 Ky. Admin. Regs. 7:070</i>). | \$75 (<i>LARA, Application for Registration of Building Officials, Inspectors, and Plan Reviewers</i>). | \$50 (<i>34 Pa. Code 401.2</i>). | \$75 (<i>W. Va. Code R. 87-7-5</i>). |

Residential building official

Survey responses (COM)

| Description |
|---|
| <p>The residential building official is responsible for the enforcement of the rules of the board and of Chapters 3781. and 3791. of the Revised Code relating to the construction, arrangement, and the erection of buildings or parts thereof. The residential building official shall render interpretations of this code and to adopt policies and procedures in order to clarify the application of its provisions. Residential building officials shall be responsible to assure that a system is in place to track and audit all projects, to assure that all building department personnel perform their duties and for the overall administration of the residential building department. Residential building officials are also authorized to perform residential plans examination and inspections.</p> |

Type (License, specialty license for medical reimbursement, government certification, registration, bonding or insurance, inspection, or process regulation. See R.C. 4798.01 for relevant definitions.)

License

If the regulation is a registration, certification, or license requirement, please complete the following:

| | |
|---|--|
| Number issued annually | Approximately 25 |
| Number renewed annually | Approximately 250 |
| Have there been significant increases or decreases in active registrations, certifications or licenses in the preceding six years? | No significant increase/decrease in last 6 years. |
| Education or training requirements | Completion of Board-sponsored code academy during interim certification (free online or in-person training offered twice per year) |
| Experience requirements | 5 years experience relevant construction experience, approved commercial certification, or registered design professional. |

If the regulation is a registration, certification, or license requirement, please complete the following:

| | |
|---|---|
| <p>Examination requirements (<i>Who administers the exam? How is the exam and administrator selected? What fees are charged? Does the Board receive any proceeds of those fees? If so, how are the proceeds used?</i>)</p> | <p>International Code Council (ICC) – B1, M1 and: E1 or P1 or National Certification Program for Construction Code Inspectors (NCPCCI) – 1A, 4A and: 2A or 5A Examination costs \$240. The Board’s examination requirements align with requirements for certification issued by International Code Council, therefore the Board only recognizes these exams and does not set fees, etc. **Examinations are waived if already hold related commercial certification</p> |
| <p>Continuing education requirements (<i>Including a description of the curriculum and the process of setting it.</i>)</p> | <p>30 hours of Board-approved continuing education</p> |
| <p>Initial fee</p> | <p>\$50</p> |
| <p>Duration</p> | <p>2-year interim, then 3-year renewal period</p> |
| <p>Renewal fee (<i>If different from initial fee, please explain why.</i>)</p> | <p>\$30</p> |
| <p>Does the Board recognize uniform licensure requirements or allow for reciprocity?</p> | <p>Yes, the Board’s examination requirements align with requirements for certification issued by International Code Council, a certification recognized by many jurisdiction across the country.</p> |
| <p>Are there any similar national registrations, certifications, or licenses? Could they be used as a substitute for the state regulation?</p> | <p>Yes, see above. The Board’s certification requires minimal level of relevant experience in construction in addition to testing to qualify for certification.</p> |

If the regulation is a registration, certification, or license requirement, please complete the following:

| | |
|---|---|
| Are there any circumstances in which an individual may practice elements of the occupation without being regulated by the Board? | No |
| Is the Board permitted to exercise discretion in determining whether to register, certify, or license an individual? | Yes, the Board recognizes other equivalent experience to qualify for certification. |
| Other information (<i>Significant attributes or prerequisites to licensure not addressed in this chart.</i>) | |

Oversight and disciplinary authority of the Board respecting individuals engaged in the occupation.

See OAC 4101:7-3-01(F)(7) discussed above.

How much revenue is derived from fees charged by the Board to individuals engaged in the occupation (such as license and renewal fees)? How is that revenue used?

The revenue collected from fees charged for personnel certification/renewal is minimal. The Board collected approximately \$87,339/per year from certification fees. See budget/revenue information discussed above.

Describe any federal regulations that apply to the occupation. Does federal law require the state to regulate the occupation?

N/A

What is the harm that the regulation seeks to prevent? (See, R.C. 4798.02(B).)

Review and inspection of Ohio's built environment by qualified individuals is fundamental to safety of its occupants and the protection of property. The codes enforced by Board-certified personnel adopted by the Board are based on international consensus-based standards developed and updated by the International Code Council (ICC). Most states use ICC's model codes as the basis for their building codes, but code requirements are only as good and effective as the individual(s) charged with their interpretation, application and enforcement.

Is the regulation effective at preventing the harm described above? Are there other, less restrictive ways to prevent the harm?

Yes, the Board’s certification program ensures accountability and uniformity in the interpretation and application of the building codes resulting in savings of both building owner’s time and money. However, the Board recently determined to perform an in-depth study to identify trends across the country in code enforcement that may be responding to the changed nature of modern construction as well as a further review of the necessary skills sets to perform code enforcement today for possible changes to certification requirements. We plan to commission a study which we hope to have completed by next year to inform our review.

Are there any changes the Board would like to see implemented?

Not at this time. Awaiting completion of certification study for further discussion.

Surrounding state comparison (LSC)

| Residential Building Official (<i>Residential Building Official and Interim Residential Building Official</i>) | | | | | | |
|--|---|--|----------------------|---|--|---|
| | Ohio | Indiana | Kentucky | Michigan | Pennsylvania | West Virginia |
| License required? | Certification (<i>R.C. 3781.10(E); O.A.C. 4101:7-3-01(A)(3) and (4).</i>) | No clear equivalent. Local regulations apply. (<i>Ind. Code 36-7-8-6.</i>) | No clear equivalent. | Registration (<i>Mich. Admin. Code R. 408.30031.</i>) | Building code official certification (<i>34 Pa. Code 401.3 and 401.7.</i>) | Certification (<i>W. Va. Code R. 87-7-3.</i>) |

| Residential Building Official (<i>Residential Building Official and Interim Residential Building Official</i>) | | | | | | |
|--|--|---------|----------|--|--------------|---|
| | Ohio | Indiana | Kentucky | Michigan | Pennsylvania | West Virginia |
| Education or training | <p>For a residential building official or interim residential building official, one of the following:</p> <ul style="list-style-type: none"> ▪ At least five years of experience as a contractor or superintendent with responsibility for obtaining approvals and inspections; or ▪ Ohio registration as an architect or professional engineer. <p><i>(O.A.C. 4101:7-3-01(E)(3).)</i></p> | N/A | N/A | <p>Complete training in all of the following:</p> <ul style="list-style-type: none"> ▪ At least four hours in administration and enforcement of statutes and regulations; ▪ At least one hour in communication skills; ▪ At least eight hours in technical code provisions; ▪ At least two hours in plan review; and ▪ At least three hours of specialty training based | N/A | <p>Complete training necessary to be certified as an ICC building code official, residential building code inspector, commercial building inspector, or building plans examiner (<i>W. Va. Code R. 87-7-3</i>).</p> |

| Residential Building Official (<i>Residential Building Official and Interim Residential Building Official</i>) | | | | | | |
|--|--|---------|----------|--|--|--|
| | Ohio | Indiana | Kentucky | Michigan | Pennsylvania | West Virginia |
| | | | | on classification. <i>(Mich. Admin. Code R. 408.30031.)</i> | | |
| Experience | See “Education or training.” | N/A | N/A | At least two years of experience as a registered code inspector or plan reviewer. Registration is “provisional” until second three-year registration cycle. <i>(Mich. Admin. Code R. 408.30034 and 408.30031.)</i> | N/A | N/A |
| Exam | For a residential building official, select exam modules administered by NCPCCI or ICC (<i>O.A.C. 4101:7-3-01(F)(1)(d)</i>). | N/A | N/A | N/A | Select modules administered by NCPCCI or ICC (<i>34 Pa. Code 401.6</i>). | Select exam modules administered by ICC. Exam is waived for licensed architects and engineers. Two-year probationary |

Residential Building Official (*Residential Building Official and Interim Residential Building Official*)

| | Ohio | Indiana | Kentucky | Michigan | Pennsylvania | West Virginia |
|----------------------|--|---------|----------|---|--|---|
| | One-time interim residential building official certificate may be issued to applicants who meet education and experience requirements but have not completed the required examination (<i>O.A.C. 4101:7-3-01(F)(2)(a)(i)</i>). | | | | | certification is available to individuals who have not yet passed the exam. (<i>W. Va. Code R. 87-7-3 and 6.</i>) |
| Continuing education | Complete "Ohio Building Code Academy" requirements during initial certification period (<i>O.A.C. 4101:7-3-01(F)(4)(a)(i)</i>). 30 hours every subsequent three-year certification period, including three hours | N/A | N/A | 50 hours every three years (<i>Mich. Admin. Code R. 408.30055</i>). | 15 hours every three years (<i>34 Pa. Code 401.9</i>). | 15 hours every three years (<i>W. Va. Code R. 87-7-4</i>). |

| Residential Building Official (<i>Residential Building Official and Interim Residential Building Official</i>) | | | | | | |
|--|--|---------|----------|---|---|---|
| | Ohio | Indiana | Kentucky | Michigan | Pennsylvania | West Virginia |
| | dedicated to code administration, three hours dedicated to existing buildings, and one hour dedicated to ethics (<i>O.A.C. 4101:7-3-01(F)(4)(a)(ii)</i>). | | | | | |
| Initial licensure fee | \$50 (<i>O.A.C. 4101:7-3-01(F)</i>). | N/A | N/A | \$75 (<i>LARA, Application for Registration of Building Officials, Inspectors, and Plan Reviewers</i>). | \$50 (<i>34 Pa. Code 401.2</i>). | \$75 (<i>W. Va. Code R. 87-7-3</i>). |
| License duration | Three years for a residential building official. Two years for an interim residential building official. (<i>O.A.C. 4101:7-3-01(F)(2)(a)(i) and (ii) and (F)(5)(d)</i> .) | N/A | N/A | Three years (<i>Mich. Admin. Code R. 408.30031</i>). | Three years (<i>34 Pa. Code 401.4</i>). | Three years (<i>W. Va. Code R. 87-7-5</i>). |

| Residential Building Official (<i>Residential Building Official and Interim Residential Building Official</i>) | | | | | | |
|--|--|---------|----------|---|------------------------------------|--|
| | Ohio | Indiana | Kentucky | Michigan | Pennsylvania | West Virginia |
| Renewal fee | \$30 (<i>O.A.C. 4101:7-3-01(F)(2)(c)</i>). | N/A | N/A | \$75 (<i>LARA, Application for Registration of Building Officials, Inspectors, and Plan Reviewers</i>). | \$50 (<i>34 Pa. Code 401.2</i>). | \$75 (<i>W. Va. Code R. 87-7-5</i>). |

Residential industrialized unit inspector

Survey responses (COM)

| Description |
|---|
| A residential industrialized unit inspector is responsible for determining compliance with approved construction documents of residential industrialized units in-plant during each phase of the manufacturing process. |

Type (License, specialty license for medical reimbursement, government certification, registration, bonding or insurance, inspection, or process regulation. See R.C. 4798.01 for relevant definitions.)

License

If the regulation is a registration, certification, or license requirement, please complete the following:

| | |
|---|--|
| Number issued annually | Approximately 10 |
| Number renewed annually | Approximately 15 |
| Have there been significant increases or decreases in active registrations, certifications or licenses in the preceding six years? | No significant increase/decrease in last 6 years. |
| Education or training requirements | N/A |
| Experience requirements | 3 years relevant construction experience, approved related commercial or residential certification |

If the regulation is a registration, certification, or license requirement, please complete the following:

| | |
|---|---|
| <p>Examination requirements (<i>Who administers the exam? How is the exam and administrator selected? What fees are charged? Does the Board receive any proceeds of those fees? If so, how are the proceeds used?</i>)</p> | <p>International Code Council (ICC) – B1, E1, M1, P1 or National Certification Program for Construction Code Inspectors (NCPCCI) – 1A, 2A, 4A, 5A Examination costs \$240. The Board’s examination requirements align with requirements for certification issued by International Code Council, therefore the Board only recognizes these exams and does not set fees, etc.</p> |
| <p>Continuing education requirements (<i>Including a description of the curriculum and the process of setting it.</i>)</p> | <p>30 hours of Board-approved continuing education</p> |
| <p>Initial fee</p> | <p>\$50</p> |
| <p>Duration</p> | <p>2-year interim, then 3-year renewal period</p> |
| <p>Renewal fee (<i>If different from initial fee, please explain why.</i>)</p> | <p>\$30</p> |
| <p>Does the Board recognize uniform licensure requirements or allow for reciprocity?</p> | <p>Yes, the Board’s examination requirements align with requirements for certification issued by International Code Council, a certification recognized by many jurisdiction across the country.</p> |
| <p>Are there any similar national registrations, certifications, or licenses? Could they be used as a substitute for the state regulation?</p> | <p>Yes, see above. The Board’s certification requires minimal level of relevant experience in construction in addition to testing to qualify for certification.</p> |

If the regulation is a registration, certification, or license requirement, please complete the following:

| | |
|---|---|
| Are there any circumstances in which an individual may practice elements of the occupation without being regulated by the Board? | No |
| Is the Board permitted to exercise discretion in determining whether to register, certify, or license an individual? | Yes, the Board recognizes other equivalent experience to qualify for certification. |
| Other information (<i>Significant attributes or prerequisites to licensure not addressed in this chart.</i>) | |

Oversight and disciplinary authority of the Board respecting individuals engaged in the occupation.

See OAC 4101:7-3-01(F)(7) discussed above.

How much revenue is derived from fees charged by the Board to individuals engaged in the occupation (such as license and renewal fees)? How is that revenue used?

The revenue collected from fees charged for personnel certification/renewal is minimal. The Board collected approximately \$87,339/per year from certification fees. See budget/revenue information discussed above.

Describe any federal regulations that apply to the occupation. Does federal law require the state to regulate the occupation?

N/A

What is the harm that the regulation seeks to prevent? (See, R.C. 4798.02(B).)

Is the regulation effective at preventing the harm described above? Are there other, less restrictive ways to prevent the harm?

Yes, the Board’s certification program ensures accountability and uniformity in the interpretation and application of the building codes resulting in savings of both building owner’s time and money. However, the Board recently determined to perform an in-depth study to identify trends across the country in code enforcement that may be responding to the changed nature of modern construction as well as a further review of the necessary skills sets to perform code enforcement today for possible changes to certification requirements. We plan to commission a study which we hope to have completed by next year to inform our review.

Are there any changes the Board would like to see implemented?

Not at this time. Awaiting completion of certification study for further discussion.

Surrounding state comparison (LSC)

Residential Industrialized Unit Inspector (*Residential Industrialized Unit Inspector and Interim Residential Industrialized Unit Inspector*)

| | Ohio | Indiana | Kentucky | Michigan | Pennsylvania | West Virginia |
|-------------------|---|--|----------------------|----------------------|----------------------|----------------------|
| License required? | Certification (<i>R.C. 3781.10(E); O.A.C. 4101:7-3-01(A)(44) and (45)</i>). | No. The Fire Prevention and Building Safety Commission may authorize any “qualified person” to conduct | No clear equivalent. | No clear equivalent. | No clear equivalent. | No clear equivalent. |

| Residential Industrialized Unit Inspector <i>(Residential Industrialized Unit Inspector and Interim Residential Industrialized Unit Inspector)</i> | | | | | | |
|--|---|--|----------|----------|--------------|---------------|
| | Ohio | Indiana | Kentucky | Michigan | Pennsylvania | West Virginia |
| | | inspections. <i>(Ind. Code 22-15-4-3.)</i> | | | | |
| Education or training | <p>For a residential industrialized unit inspector or interim residential industrialized unit inspector, one of the following:</p> <ul style="list-style-type: none"> ▪ At least three years of experience as a construction contractor or supervisor for buildings or structures regulated by the board; ▪ Certification as a building inspector, residential building inspector, or industrialized unit inspector; or | N/A | N/A | N/A | N/A | N/A |

Residential Industrialized Unit Inspector (*Residential Industrialized Unit Inspector and Interim Residential Industrialized Unit Inspector*)

| | Ohio | Indiana | Kentucky | Michigan | Pennsylvania | West Virginia |
|------------|---|---------|----------|----------|--------------|---------------|
| | <ul style="list-style-type: none"> At least three years of experience as a skilled tradesperson for work subject to inspection. <p>(O.A.C. 4101:7-3-01 (E)(19).)</p> | | | | | |
| Experience | See "Education or training." | N/A | N/A | N/A | N/A | N/A |
| Exam | <p>For a residential industrialized unit inspector, select exam modules administered by NCPCCI or ICC (O.A.C. 4101:7-3-01(F)(1)(d)).</p> <p>One-time interim residential industrialized unit inspector certificate may be issued to applicants who meet education</p> | N/A | N/A | N/A | N/A | N/A |

Residential Industrialized Unit Inspector (*Residential Industrialized Unit Inspector and Interim Residential Industrialized Unit Inspector*)

| | Ohio | Indiana | Kentucky | Michigan | Pennsylvania | West Virginia |
|----------------------|--|---------|----------|----------|--------------|---------------|
| | and experience requirements but have not completed the required examination (<i>O.A.C. 4101:7-3-01(F)(2)(a)(i)</i>). | | | | | |
| Continuing education | Complete “Ohio Building Code Academy” requirements during initial certification period (<i>O.A.C. 4101:7-3-01(F)(4)(a)(i)</i>). 30 hours every subsequent three-year certification period, including three hours dedicated to code administration, three hours dedicated to existing buildings, and one hour dedicated to | N/A | N/A | N/A | N/A | N/A |

| Residential Industrialized Unit Inspector (<i>Residential Industrialized Unit Inspector and Interim Residential Industrialized Unit Inspector</i>) | | | | | | |
|---|--|----------------|-----------------|-----------------|---------------------|----------------------|
| | Ohio | Indiana | Kentucky | Michigan | Pennsylvania | West Virginia |
| | ethics (<i>O.A.C. 4101:7-3-01(F)(4)(a)(ii)</i>). | | | | | |
| Initial licensure fee | \$50 (<i>O.A.C. 4101:7-3-01(F)</i>). | N/A | N/A | N/A | N/A | N/A |
| License duration | Three years for a residential industrialized unit inspector. Two years for an interim residential industrialized unit inspector. (<i>O.A.C. 4101:7-3-01(F)(2)(a)(i) and (ii) and (F)(5)(d)</i> .) | N/A | N/A | N/A | N/A | N/A |
| Renewal fee | \$30 (<i>O.A.C. 4101:7-3-01(F)(2)(c)</i>). | N/A | N/A | N/A | N/A | N/A |

Residential mechanical inspector

Survey responses (COM)

| Description |
|---|
| A residential mechanical inspector is responsible for determining compliance with the approved residential construction documents for heating, ventilating and air conditioning (HVAC) systems, and the associated refrigeration, fuel gas, and heating piping systems. |

| Type (License, specialty license for medical reimbursement, government certification, registration, bonding or insurance, inspection, or process regulation. See R.C. 4798.01 for relevant definitions.) |
|--|
| License |

| If the regulation is a registration, certification, or license requirement, please complete the following: | |
|--|------------------|
| Number issued annually | Approximately 10 |
| Number renewed annually | Approximately 20 |

| If the regulation is a registration, certification, or license requirement, please complete the following: | |
|--|---|
| Have there been significant increases or decreases in active registrations, certifications or licenses in the preceding six years? | No significant increase/decrease in last 6 years. |
| Education or training requirements | Completion of Board-sponsored code academy during interim certification (free online or in-person training offered twice per year) |
| Experience requirements | 3 years experience relevant construction experience or approved related commercial certification |
| Examination requirements (<i>Who administers the exam? How is the exam and administrator selected? What fees are charged? Does the Board receive any proceeds of those fees? If so, how are the proceeds used?</i>) | International Code Council (ICC) – M1 National Certification Program for Construction Code Inspectors (NCPCCI) – 4A Examination costs \$240. The Board’s examination requirements align with requirements for certification issued by International Code Council, therefore the Board only recognizes these exams and does not set fees, etc. **Examinations are waived if already hold related commercial certification |
| Continuing education requirements (<i>Including a description of the curriculum and the process of setting it.</i>) | 30 hours of Board-approved continuing education |
| Initial fee | \$50 |
| Duration | 2-year interim, then 3-year renewal period |
| Renewal fee (<i>If different from initial fee, please explain why.</i>) | \$30 |

If the regulation is a registration, certification, or license requirement, please complete the following:

| | |
|---|--|
| <p>Does the Board recognize uniform licensure requirements or allow for reciprocity?</p> | <p>Yes, the Board's examination requirements align with requirements for certification issued by International Code Council, a certification recognized by many jurisdiction across the country.</p> |
| <p>Are there any similar national registrations, certifications, or licenses? Could they be used as a substitute for the state regulation?</p> | <p>Yes, see above. The Board's certification requires minimal level of relevant experience in construction in addition to testing to qualify for certification.</p> |
| <p>Are there any circumstances in which an individual may practice elements of the occupation without being regulated by the Board?</p> | <p>No</p> |
| <p>Is the Board permitted to exercise discretion in determining whether to register, certify, or license an individual?</p> | <p>Yes, the Board recognizes other equivalent experience to qualify for certification.</p> |
| <p>Other information (<i>Significant attributes or prerequisites to licensure not addressed in this chart.</i>)</p> | <p>Optional certification; If a building department does not have a residential mechanical inspector, residential building inspector, plans examiner or building official can perform duties</p> |

Oversight and disciplinary authority of the Board respecting individuals engaged in the occupation.

See OAC 4101:7-3-01(F)(7) discussed above.

How much revenue is derived from fees charged by the Board to individuals engaged in the occupation (such as license and renewal fees)? How is that revenue used?

The revenue collected from fees charged for personnel certification/renewal is minimal. The Board collected approximately \$87,339/per year from certification fees. See budget/revenue information discussed above.

Describe any federal regulations that apply to the occupation. Does federal law require the state to regulate the occupation?

N/A

What is the harm that the regulation seeks to prevent? (See, R.C. 4798.02(B).)

Is the regulation effective at preventing the harm described above? Are there other, less restrictive ways to prevent the harm?

Yes, the Board’s certification program ensures accountability and uniformity in the interpretation and application of the building codes resulting in savings of both building owner’s time and money. However, the Board recently determined to perform an in-depth study to identify trends across the country in code enforcement that may be responding to the changed nature of modern construction as well as a further review of the necessary skills sets to perform code enforcement today for possible changes to certification requirements. We plan to commission a study which we hope to have completed by next year to inform our review.

Are there any changes the Board would like to see implemented?

Not at this time. Awaiting completion of certification study for further discussion.

Surrounding state comparison (LSC)

Residential Mechanical Inspector *(Residential Mechanical Inspector, Residential Mechanical Inspector Trainee, and Interim Residential Mechanical Inspector)*

| | Ohio | Indiana | Kentucky | Michigan | Pennsylvania | West Virginia |
|-------------------|--|--|---|---|--|---|
| License required? | Certification (<i>R.C. 3781.10(E); O.A.C. 4101:7-3-01(A)(37), (38), and (39)</i>). | No clear equivalent. Local regulations apply. (<i>Ind. Code 36-7-8-6.</i>) | No clear equivalent. Duties might be covered by general building inspector certification. | Registration (<i>Mich. Admin. Code R. 408.30031</i>). | Building code official certification (<i>34 Pa. Code 401.3 and 401.7</i>). | Certification (<i>W. Va. Code R. 87-7-3</i>). |

Residential Mechanical Inspector (*Residential Mechanical Inspector, Residential Mechanical Inspector Trainee, and Interim Residential Mechanical Inspector*)

| | Ohio | Indiana | Kentucky | Michigan | Pennsylvania | West Virginia |
|-----------------------|--|---------|----------|--|--------------|---------------|
| Education or training | <p>For a residential mechanical inspector or interim residential mechanical inspector, one of the following:</p> <ul style="list-style-type: none"> ▪ At least three years of experience as an HVAC system contractor or supervisor for buildings regulated by the board; ▪ At least three years of experience as a skilled tradesperson for HVAC systems and the associated refrigeration, fuel gas, and heating piping for buildings | N/A | N/A | <p>Complete training in all of the following:</p> <ul style="list-style-type: none"> ▪ At least four hours in administration and enforcement of statutes and regulations; ▪ At least one hour in communication skills; ▪ At least eight hours in technical code provisions; ▪ At least two hours in plan review; and ▪ At least three hours of specialty training based | N/A | N/A |

Residential Mechanical Inspector (*Residential Mechanical Inspector, Residential Mechanical Inspector Trainee, and Interim Residential Mechanical Inspector*)

| | Ohio | Indiana | Kentucky | Michigan | Pennsylvania | West Virginia |
|--|--|---------|----------|--|--------------|---------------|
| | <p>regulated by the board; or</p> <ul style="list-style-type: none"> Completion of the residential mechanical inspector trainee program. <p>(O.A.C. 4101:7-3-01(E)(15).)</p> <p>A residential mechanical inspector trainee must be a full-time employee of a political subdivision under the direct supervision of a trainee supervisor and have at least one year of experience as a skilled tradesperson for work subject to inspection. Up to one year of the experience</p> | | | <p>on classification.</p> <p>(Mich. Admin. Code R. 408.30031.)</p> | | |

Residential Mechanical Inspector (*Residential Mechanical Inspector, Residential Mechanical Inspector Trainee, and Interim Residential Mechanical Inspector*)

| | Ohio | Indiana | Kentucky | Michigan | Pennsylvania | West Virginia |
|------------|---|---------|----------|---|--|---|
| | requirement may be met through the completion of an approved vocational or technical program. (<i>O.A.C. 4101:7-3-01(F)(5)(viii) and (F)(6).</i>) | | | | | |
| Experience | See “Education or training.” | N/A | N/A | Held a mechanical license for at least one year. Registration is “provisional” until second three-year registration cycle. (<i>Mich. Admin. Code R. 408.30043 and 408.30031.</i>) | N/A | N/A |
| Exam | For a residential mechanical inspector, select exam modules administered by NCPCCI or ICC. | N/A | N/A | N/A | Select modules administered by NCPCCI or ICC (<i>34 Pa. Code 401.6</i>). | Select exam modules administered by ICC. Exam is waived for licensed architects and |

| Residential Mechanical Inspector (<i>Residential Mechanical Inspector, Residential Mechanical Inspector Trainee, and Interim Residential Mechanical Inspector</i>) | | | | | | |
|---|--|----------------|-----------------|-----------------|---------------------|--|
| | Ohio | Indiana | Kentucky | Michigan | Pennsylvania | West Virginia |
| | <p>(O.A.C. 4101:7-3-01(F)(1)(d)).</p> <p>For a residential mechanical inspector trainee, exam modules must be completed within allotted time of the trainee program.</p> <p>One-time interim residential mechanical inspector certificate may be issued to applicants who meet education and experience requirements but have not completed the required examination.</p> <p>(O.A.C. 4101:7-3-01(F)(2)(a)(i).)</p> | | | | | <p>engineers. Two-year probationary certification is available to individuals who have not yet passed the exam. (W. Va. Code R. 87-7-3 and 6.)</p> |

Residential Mechanical Inspector (*Residential Mechanical Inspector, Residential Mechanical Inspector Trainee, and Interim Residential Mechanical Inspector*)

| | Ohio | Indiana | Kentucky | Michigan | Pennsylvania | West Virginia |
|-----------------------|---|---------|----------|---|--|--|
| Continuing education | Complete "Ohio Building Code Academy" requirements during initial certification period (<i>O.A.C. 4101:7-3-01(F)(4)(a)(i)</i>). 30 hours every subsequent three-year certification period, including three hours dedicated to code administration, three hours dedicated to existing buildings, and one hour dedicated to ethics (<i>O.A.C. 4101:7-3-01(F)(4)(a)(ii)</i>). | N/A | N/A | 47 hours every three years (<i>Mich. Admin. Code R. 408.30055</i>). | 15 hours every three years (<i>34 Pa. Code 401.9</i>). | 15 hours every three years (<i>W. Va. Code R. 87-7-4</i>). |
| Initial licensure fee | \$50 (<i>O.A.C. 4101:7-3-01(F)</i>). | N/A | N/A | \$75 (<i>LARA, Application for Registration of Building Officials</i>). | \$50 (<i>34 Pa. Code 401.2</i>). | \$75 (<i>W. Va. Code R. 87-7-3</i>). |

| Residential Mechanical Inspector (<i>Residential Mechanical Inspector, Residential Mechanical Inspector Trainee, and Interim Residential Mechanical Inspector</i>) | | | | | | |
|---|--|----------------|-----------------|--|---|---|
| | Ohio | Indiana | Kentucky | Michigan | Pennsylvania | West Virginia |
| | | | | <i><u>Inspectors, and Plan Reviewers</u></i> . | | |
| License duration | <p>Three years for a residential mechanical inspector.</p> <p>Six years for a residential mechanical inspector trainee.</p> <p>Two years for an interim residential mechanical inspector.</p> <p><i>(O.A.C. 4101:7-3-01(F)(2)(a)(i) and (ii) and (F)(5)(d).)</i></p> | N/A | N/A | Three years (<i>Mich. Admin. Code R. 408.30031</i>). | Three years (<i>34 Pa. Code 401.4</i>). | Three years (<i>W. Va. Code R. 87-7-5</i>). |
| Renewal fee | \$30 (<i>O.A.C. 4101:7-3-01(F)(2)(c)</i>). | N/A | N/A | \$75 (<i>LARA, <u>Application for Registration of Building Officials, Inspectors, and Plan Reviewers</u></i>). | \$50 (<i>34 Pa. Code 401.2</i>). | \$75 (<i>W. Va. Code R. 87-7-5</i>). |

Residential plans examiner

Survey responses (COM)

Description

A residential plans examiner is responsible for the examination of all types of residential construction documents. Residential plans examination is also authorized to perform residential building inspections.

Type (License, specialty license for medical reimbursement, government certification, registration, bonding or insurance, inspection, or process regulation. See R.C. 4798.01 for relevant definitions.)

License

If the regulation is a registration, certification, or license requirement, please complete the following:

Number issued annually

Approximately 15

Number renewed annually

Approximately 30

| If the regulation is a registration, certification, or license requirement, please complete the following: | |
|--|--|
| Have there been significant increases or decreases in active registrations, certifications or licenses in the preceding six years? | No significant increase/decrease in last 6 years. |
| Education or training requirements | Completion of Board-sponsored code academy during interim certification (free online or in-person training offered twice per year) |
| Experience requirements | 5 years experience relevant construction experience, approved commercial certification, or registered design professional. |
| Examination requirements (<i>Who administers the exam? How is the exam and administrator selected? What fees are charged? Does the Board receive any proceeds of those fees? If so, how are the proceeds used?</i>) | International Code Council (ICC) – B1, M1 and: E1 or P1 or National Certification Program for Construction Code Inspectors (NCPCCI) – 1A, 4A and: 2A or 5A Examination costs \$240. The Board’s examination requirements align with requirements for certification issued by International Code Council, therefore the Board only recognizes these exams and does not set fees, etc. **Examinations are waived if already hold related commercial certification |
| Continuing education requirements (<i>Including a description of the curriculum and the process of setting it.</i>) | 30 hours of Board-approved continuing education |
| Initial fee | \$50 |
| Duration | 2-year interim, then 3-year renewal period |
| Renewal fee (<i>If different from initial fee, please explain why.</i>) | \$30 |

If the regulation is a registration, certification, or license requirement, please complete the following:

| | |
|---|--|
| <p>Does the Board recognize uniform licensure requirements or allow for reciprocity?</p> | <p>Yes, the Board's examination requirements align with requirements for certification issued by International Code Council, a certification recognized by many jurisdiction across the country.</p> |
| <p>Are there any similar national registrations, certifications, or licenses? Could they be used as a substitute for the state regulation?</p> | <p>Yes, see above. The Board's certification requires minimal level of relevant experience in construction in addition to testing to qualify for certification.</p> |
| <p>Are there any circumstances in which an individual may practice elements of the occupation without being regulated by the Board?</p> | <p>No</p> |
| <p>Is the Board permitted to exercise discretion in determining whether to register, certify, or license an individual?</p> | <p>Yes, the Board recognizes other equivalent experience to qualify for certification.</p> |
| <p>Other information <i>(Significant attributes or prerequisites to licensure not addressed in this chart.)</i></p> | |

Oversight and disciplinary authority of the Board respecting individuals engaged in the occupation.

See OAC 4101:7-3-01(F)(7) discussed above.

**How much revenue is derived from fees charged by the Board to individuals engaged in the occupation (such as license and renewal fees)?
How is that revenue used?**

The revenue collected from fees charged for personnel certification/renewal is minimal. The Board collected approximately \$87,339/per year from certification fees. See budget/revenue information discussed above.

Describe any federal regulations that apply to the occupation. Does federal law require the state to regulate the occupation?

N/A

What is the harm that the regulation seeks to prevent? (See, R.C. 4798.02(B).)

Is the regulation effective at preventing the harm described above? Are there other, less restrictive ways to prevent the harm?

Yes, the Board’s certification program ensures accountability and uniformity in the interpretation and application of the building codes resulting in savings of both building owner’s time and money. However, the Board recently determined to perform an in-depth study to identify trends across the country in code enforcement that may be responding to the changed nature of modern construction as well as a further review of the necessary skills sets to perform code enforcement today for possible changes to certification requirements. We plan to commission a study which we hope to have completed by next year to inform our review.

Are there any changes the Board would like to see implemented?

Not at this time. Awaiting completion of certification study for further discussion.

Surrounding state comparison (LSC)

| Residential Plans Examiner (Residential Plans Examiner, Residential Plans Examiner Trainee, Interim Residential Plans Examiner) | | | | | | |
|--|--|--|--|---|---|---|
| | Ohio | Indiana | Kentucky | Michigan | Pennsylvania | West Virginia |
| License required? | Certification (<i>R.C. 3781.10(E); O.A.C. 4101:7-3-01(A)(8), (9), and (10)</i>). | No clear equivalent. Local regulations apply. (<i>Ind. Code 36-7-8-6.</i>) | No clear equivalent. Duties might be covered by general plans and specifications inspector designation. (<i>Ky.</i> | Registration (<i>Mich. Admin. Code R. 408.30031.</i>) | Building plans examiner certification (<i>34 Pa. Code 401.3 and 401.7.</i>) | Certification (<i>W. Va. Code R. 87-7-3.</i>) |

Residential Plans Examiner (Residential Plans Examiner, Residential Plans Examiner Trainee, Interim Residential Plans Examiner)

| | Ohio | Indiana | Kentucky | Michigan | Pennsylvania | West Virginia |
|-----------------------|---|---------|------------------------------|---|--------------|---------------|
| | | | <i>Rev. Stat. 198B.090.)</i> | | | |
| Education or training | <p>For a residential plans examiner or interim residential plans examiner, one of the following:</p> <ul style="list-style-type: none"> ▪ Ohio registration as an architect or professional engineer; ▪ At least five years of experience in building design and construction for buildings regulated by the board; or ▪ Successful completion of the residential plans examiner | N/A | N/A | <p>Complete training in all of the following:</p> <ul style="list-style-type: none"> ▪ At least four hours in administration and enforcement of statutes and regulations; ▪ At least one hour in communication skills; ▪ At least eight hours in technical code provisions; ▪ At least two hours in plan review; and ▪ At least three hours of specialty | N/A | N/A |

Residential Plans Examiner (*Residential Plans Examiner, Residential Plans Examiner Trainee, Interim Residential Plans Examiner*)

| | Ohio | Indiana | Kentucky | Michigan | Pennsylvania | West Virginia |
|--|--|---------|----------|--|--------------|---------------|
| | <p>trainee program.</p> <p><i>(O.A.C. 4101:7-3-01(E)(5).)</i></p> <p>A plumbing inspector trainee must be a full-time employee of a political subdivision under the direct supervision of a trainee supervisor and one of the following:</p> <ul style="list-style-type: none"> ▪ At least one year of experience preparing construction documents as a full-time designer working under the direct supervision of a design professional; | | | <p>training based on classification.</p> <p><i>(Mich. Admin. Code R. 408.30031.)</i></p> | | |

Residential Plans Examiner (*Residential Plans Examiner, Residential Plans Examiner Trainee, Interim Residential Plans Examiner*)

| | Ohio | Indiana | Kentucky | Michigan | Pennsylvania | West Virginia |
|------------|---|---------|----------|--|--------------|---------------|
| | <ul style="list-style-type: none"> ▪ At least one year of experience as a skilled tradesperson for work subject to inspection by the board; or ▪ Completion of an approved vocational technical program. <p><i>(O.A.C. 4101:7-3-01(F)(5)(viii) and (F)(6).)</i></p> | | | | | |
| Experience | See "Education or training." | N/A | N/A | At least four years of experience as a residential builder, structural carpenter, structural mason, structural steel erector, structural concrete installer, architect, engineer, project manager, or out- | N/A | N/A |

Residential Plans Examiner (*Residential Plans Examiner, Residential Plans Examiner Trainee, Interim Residential Plans Examiner*)

| | Ohio | Indiana | Kentucky | Michigan | Pennsylvania | West Virginia |
|------|---|---------|----------|--|---|---|
| | | | | <p>of-state building inspector. A four-year degree in a construction-related field may be substituted for up to two years of experience. A two-year degree in a construction-related field may be substituted for up to one year of experience.</p> <p>Registration is “provisional” until second three-year registration cycle.</p> <p><i>(Mich. Admin. Code R. 408.30049 and 408.30031.)</i></p> | | |
| Exam | For a residential plans examiner, select exam modules administered by NCPCCI or ICC | N/A | N/A | N/A | Select modules administered by NCPCCI or ICC (<i>34 Pa. Code 401.6</i>) | Select exam modules administered by ICC. Exam is waived for licensed architects and |

Residential Plans Examiner (Residential Plans Examiner, Residential Plans Examiner Trainee, Interim Residential Plans Examiner)

| | Ohio | Indiana | Kentucky | Michigan | Pennsylvania | West Virginia |
|----------------------|---|---------|----------|--|--|---|
| | <p><i>(O.A.C. 4101:7-3-01(F)(1)(d)).</i></p> <p>For a residential plans examiner trainee, exam modules must be completed within allotted time of the trainee program.</p> <p>One-time interim residential plans examiner certificate may be issued to applicants who meet education and experience requirements but have not completed the required examination. <i>(O.A.C. 4101:7-3-01(F)(2)(a)(i).)</i></p> | | | | | <p>engineers. Two-year probationary certification is available to individuals who have not yet passed the exam. <i>(W. Va. Code R. 87-7-3 and 6.)</i></p> |
| Continuing education | Complete "Ohio Building Code Academy" requirements | N/A | N/A | 47 hours every three years <i>(Mich.</i> | 15 hours every three years <i>(34 Pa. Code 401.9).</i> | 15 hours every three years <i>(W.</i> |

Residential Plans Examiner (Residential Plans Examiner, Residential Plans Examiner Trainee, Interim Residential Plans Examiner)

| | Ohio | Indiana | Kentucky | Michigan | Pennsylvania | West Virginia |
|-----------------------|---|---------|----------|---|------------------------------------|--|
| | <p>during initial certification period (<i>O.A.C. 4101:7-3-01(F)(4)(a)(i)</i>).</p> <p>30 hours every subsequent three-year certification period, including three hours dedicated to code administration, three hours dedicated to existing buildings, and one hour dedicated to ethics (<i>O.A.C. 4101:7-3-01(F)(4)(a)(ii)</i>).</p> | | | <i>Admin. Code R. 408.30055</i>). | | <i>Va. Code R. 87-7-4</i>). |
| Initial licensure fee | \$50 (<i>O.A.C. 4101:7-3-01(F)</i>). | N/A | N/A | \$75 (<i>LARA, Application for Registration of Building Officials, Inspectors, and Plan Reviewers</i>). | \$50 (<i>34 Pa. Code 401.2</i>). | \$75 (<i>W. Va. Code R. 87-7-3</i>). |

Residential Plans Examiner (Residential Plans Examiner, Residential Plans Examiner Trainee, Interim Residential Plans Examiner)

| | Ohio | Indiana | Kentucky | Michigan | Pennsylvania | West Virginia |
|------------------|--|---------|----------|--|---|---|
| License duration | <p>Three years for a residential plans examiner.</p> <p>Six years for a residential plans examiner trainee.</p> <p>Two years for an interim residential plans examiner.</p> <p><i>(O.A.C. 4101:7-3-01(F)(2)(a)(i) and (ii) and (F)(5)(d).)</i></p> | N/A | N/A | <p>Three years</p> <p><i>(Mich. Admin. Code R. 408.30031).</i></p> | <p>Three years (34 Pa. Code 401.4).</p> | <p>Three years (W. Va. Code R. 87-7-5).</p> |
| Renewal fee | <p>\$30 (O.A.C. 4101:7-3-01(F)(2)(c)).</p> | N/A | N/A | <p>\$75 (LARA, <u>Application for Registration of Building Officials, Inspectors, and Plan Reviewers</u>).</p> | <p>\$50 (34 Pa. Code 401.2).</p> | <p>\$75 (W. Va. Code R. 87-7-5).</p> |

Special hazards suppression system designer

Survey responses (COM)

| Description |
|--|
| Designer of special hazards fire protection systems. |

| Type <i>(License, specialty license for medical reimbursement, government certification, registration, bonding or insurance, inspection, or process regulation. See R.C. 4798.01 for relevant definitions.)</i> |
|---|
| License |

| If the regulation is a registration, certification, or license requirement, please complete the following: | |
|--|------------------|
| Number issued annually | Approximately 3 |
| Number renewed annually | Approximately 60 |

| If the regulation is a registration, certification, or license requirement, please complete the following: | |
|--|---|
| Have there been significant increases or decreases in active registrations, certifications or licenses in the preceding six years? | No significant increase/decrease in last 6 years. |
| Education or training requirements | Certification by National Institute for Certification in Engineering Technologies (NICET) Level III IV certification. |
| Experience requirements | N/A |
| Examination requirements (<i>Who administers the exam? How is the exam and administrator selected? What fees are charged? Does the Board receive any proceeds of those fees? If so, how are the proceeds used?</i>) | N/A |
| Continuing education requirements (<i>Including a description of the curriculum and the process of setting it.</i>) | Maintain NICET |
| Initial fee | \$100 |
| Duration | 1 year |
| Renewal fee (<i>If different from initial fee, please explain why.</i>) | \$100 |

If the regulation is a registration, certification, or license requirement, please complete the following:

| | |
|---|--|
| <p>Does the Board recognize uniform licensure requirements or allow for reciprocity?</p> | <p>Yes, NICET certification</p> |
| <p>Are there any similar national registrations, certifications, or licenses? Could they be used as a substitute for the state regulation?</p> | <p>Yes, NICET certification</p> |
| <p>Are there any circumstances in which an individual may practice elements of the occupation without being regulated by the Board?</p> | <p>No, unless registered design professional</p> |
| <p>Is the Board permitted to exercise discretion in determining whether to register, certify, or license an individual?</p> | <p>No, NICET required</p> |
| <p>Other information <i>(Significant attributes or prerequisites to licensure not addressed in this chart.)</i></p> | |

Oversight and disciplinary authority of the Board respecting individuals engaged in the occupation.

See OAC 4101:7-3-01(F)(7) discussed above.

How much revenue is derived from fees charged by the Board to individuals engaged in the occupation (such as license and renewal fees)? How is that revenue used?

The revenue collected from fees charged for personnel certification/renewal is minimal. The Board collected approximately \$87,339/per year from certification fees. See budget/revenue information discussed above.

Describe any federal regulations that apply to the occupation. Does federal law require the state to regulate the occupation?

N/A

What is the harm that the regulation seeks to prevent? (See, R.C. 4798.02(B).)

Design of fire protection systems by competent individuals without being registered design professional.

Is the regulation effective at preventing the harm described above? Are there other, less restrictive ways to prevent the harm?

Yes, see below recommendation for changes.

Are there any changes the Board would like to see implemented?

As part of this review, the Committee may consider amending Revised Code 3781.105 to eliminate the Ohio certification and require only a current appropriate (Level III or IV) NICET certification to perform fire protection system design in Ohio without being a design professional. But, as there is a small number of individuals that currently perform fire protection system design work under a Board certification issued prior to recognition of the NICET certification, we recommend that such proposed modification to the Revised Code keep these individuals in mind so they can continue to work without holding a NICET certification.

Surrounding state comparison (LSC)

| Special Hazards Suppression System Designer | | | | | | |
|---|---|--|---|--|----------------------|---|
| | Ohio | Indiana | Kentucky | Michigan | Pennsylvania | West Virginia |
| License required? | Certification (<i>R.C. 3781.105; O.A.C. 4101:7-5-01</i>). | No clear equivalent. Local regulations apply. (<i>Ind. Code 36-7-8-6.</i>) | Fire protection sprinkler contractor. A certificate of competency available for chemical systems. (<i>Ky. Rev. Stat. 198B.550(6) and</i> | Certification of the firm that designs the system. At least one individual employed by firm must meet education and training | No clear equivalent. | Fire protection layout technician, engineered suppression systems installer, or pre-engineered suppression systems installer (<i>W. Va. Code 29-</i> |

| Special Hazards Suppression System Designer | | | | | | |
|---|---|---------|--|--|--------------|---|
| | Ohio | Indiana | Kentucky | Michigan | Pennsylvania | West Virginia |
| | | | <i>198B.560; 815 Ky. Admin. Regs. 7:080.)</i> | requirements. (<i>Mich. Comp. Laws 29.3c; Mich. Admin. Code R. 29.2802 and 29.2808.</i>) | | <i>3D-2 and 3; W. Va. Code R. 103-3-3 and 5).</i> |
| Education or training | Current Level III or IV certification from NICET (<i>O.A.C. 4101:7-5-01(B)(2)</i>). | N/A | Licensed professional engineer or current Level III or IV certification from NICET (<i>Ky. Rev. Stat. 198B.565</i>). | Meets one of the following: <ul style="list-style-type: none"> ▪ Licensed architect or engineer and one year of relevant experience; ▪ Baccalaureate degree in engineering and one year of relevant experience; ▪ Complete four-year apprentice training program and one year of relevant experience; | N/A | For a fire protection layout technician, current Level III NICET certification. For an engineered fire suppression system installer, 2,000 hours of work experience and certifications from manufacturers of all systems installed, altered, extended, maintained, or repaired by the licensee. For a pre-engineered fire suppression |

Special Hazards Suppression System Designer

| | Ohio | Indiana | Kentucky | Michigan | Pennsylvania | West Virginia |
|------------|---|---------|---|---|--------------|---|
| | | | | <ul style="list-style-type: none"> ▪ Complete an equipment manufacturer training program and one year of relevant experience; ▪ Hold a class I or class II electrician’s license and one year of relevant experience; ▪ Five years of relevant experience; or ▪ Certified at Level III or above by NICET. <p><i>(Mich. Admin. Code R. 29.2805.)</i></p> | | <p>system installer, certifications from manufacturers of all systems installed, altered, extended, maintained, or repaired by the licensee.</p> <p><i>(West Virginia State Fire Marshal, Licensure for Fire Protection Workers.)</i></p> |
| Experience | None prescribed by state law, but NICET certification requires at least | N/A | None prescribed by state law, but NICET certification requires at least | See “Education or training.” | N/A | See “Education or training.” |

| Special Hazards Suppression System Designer | | | | | | |
|---|---|---------|---|---|--------------|--|
| | Ohio | Indiana | Kentucky | Michigan | Pennsylvania | West Virginia |
| | five years of experience (<i>NICET, Special Hazards Systems, Certification Requirements</i>). | | five years of experience (<i>NICET, Special Hazards Systems, Certification Requirements</i>). | | | |
| Exam | None prescribed by state law, but NICET certification requires passing an exam (<i>NICET, Special Hazards Systems, Certification Requirements</i>). | N/A | Must pass NICET Fire Protection Engineering Technology Automatic Sprinkler System Design Level III exam or equivalent (<i>Ky. Rev. Stat. 198B.570</i>). | Exam required for some of the education and training pathways to certification. | N/A | Score 70% or better on examination administered or approved by the State Fire Marshal (<i>W. Va. Code R. 103-3-6</i>). |
| Continuing education | None prescribed by state law, but renewal of NICET certification requires professional development hours (<i>NICET, Special Hazards Systems,</i> | N/A | None prescribed by state law, but renewal of NICET certification requires professional development hours (<i>NICET, Special Hazards Systems,</i> | N/A | N/A | N/A |

| Special Hazards Suppression System Designer | | | | | | |
|---|---|---------|--|---|--------------|--|
| | Ohio | Indiana | Kentucky | Michigan | Pennsylvania | West Virginia |
| | <u>Certification Requirements</u> . | | <u>Certification Requirements</u> . | | | |
| Initial licensure fee | \$150 (O.A.C. 4101:7-5-01(B)(2)) | N/A | \$250 for fire protection sprinkler contractor license. Additional \$125 for chemical systems certificate of competency. (815 Ky. Admin. Regs. 7:080.) | \$150 (LARA, Bureau of Fire Services (<u>BFS</u>) <u>Certification for Firms/Qualified Persons</u>). | N/A | For a fire protection layout technician, \$150 for one year or \$225 for three years (includes \$50 nonrefundable application fee). For an engineered or pre-engineered fire suppression system installer, \$100 for one year or \$150 for three years (includes \$50 nonrefundable application fee). (West Virginia Office of the State Fire Marshal, <u>Licensure for Fire Protection Workers</u> .) |

| Special Hazards Suppression System Designer | | | | | | |
|---|---|---------|---|---|--------------|---|
| | Ohio | Indiana | Kentucky | Michigan | Pennsylvania | West Virginia |
| License duration | One year (<i>O.A.C. 4101:7-5-01(D)</i>). | N/A | One year (<i>Ky. Rev. Stat. 198B.605</i>). | Three years (<i>LARA, BFS Certification for Firms/Qualified Persons</i>). | N/A | No more than three years (<i>W. Va. Code R. 103-3-6</i>). |
| Renewal fee | \$100 (<i>O.A.C. 4101:7-3-01(F)(2)(c)</i>). | N/A | \$250 for fire protection sprinkler contractor license. Additional \$125 for chemical systems certificate of competency. (<i>815 Ky. Admin. Regs. 7:080.</i>) | \$150 (<i>LARA, BFS Certification for Firms/Qualified Persons</i>). | N/A | For a fire protection layout technician, \$150 for one year or \$225 for three years (includes \$50 nonrefundable application fee). For an engineered or pre-engineered fire suppression system installer, \$100 for one year or \$150 for three years (includes \$50 nonrefundable application fee). (<i>West Virginia Office of the State Fire Marshal, Licensure for Fire Protection Workers</i> .) |

Water-based fire protection system designer

Survey responses (COM)

| Description |
|---|
| Designer of water-based fire protection systems |

| Type <i>(License, specialty license for medical reimbursement, government certification, registration, bonding or insurance, inspection, or process regulation. See R.C. 4798.01 for relevant definitions.)</i> |
|---|
| License |

| If the regulation is a registration, certification, or license requirement, please complete the following: | |
|--|-------------------|
| Number issued annually | Approximately 5 |
| Number renewed annually | Approximately 350 |

| If the regulation is a registration, certification, or license requirement, please complete the following: | |
|--|---|
| Have there been significant increases or decreases in active registrations, certifications or licenses in the preceding six years? | No significant increase/decrease in last 6 years. |
| Education or training requirements | Certification by National Institute for Certification in Engineering Technologies (NICET) Level III IV certification. |
| Experience requirements | NA |
| Examination requirements (<i>Who administers the exam? How is the exam and administrator selected? What fees are charged? Does the Board receive any proceeds of those fees? If so, how are the proceeds used?</i>) | NA |
| Continuing education requirements (<i>Including a description of the curriculum and the process of setting it.</i>) | Maintain NICET |
| Initial fee | \$100 |
| Duration | 1 year |
| Renewal fee (<i>If different from initial fee, please explain why.</i>) | \$100 |

If the regulation is a registration, certification, or license requirement, please complete the following:

| | |
|---|--|
| <p>Does the Board recognize uniform licensure requirements or allow for reciprocity?</p> | <p>Yes, NICET certification</p> |
| <p>Are there any similar national registrations, certifications, or licenses? Could they be used as a substitute for the state regulation?</p> | <p>Yes, NICET certification</p> |
| <p>Are there any circumstances in which an individual may practice elements of the occupation without being regulated by the Board?</p> | <p>No, unless registered design professional</p> |
| <p>Is the Board permitted to exercise discretion in determining whether to register, certify, or license an individual?</p> | <p>No, NICET required</p> |
| <p>Other information <i>(Significant attributes or prerequisites to licensure not addressed in this chart.)</i></p> | |

Oversight and disciplinary authority of the Board respecting individuals engaged in the occupation.

See OAC 4101:7-3-01(F)(7) discussed above.

**How much revenue is derived from fees charged by the Board to individuals engaged in the occupation (such as license and renewal fees)?
How is that revenue used?**

The revenue collected from fees charged for personnel certification/renewal is minimal. The Board collected approximately \$87,339/per year from certification fees. See budget/revenue information discussed above.

Describe any federal regulations that apply to the occupation. Does federal law require the state to regulate the occupation?

N/A

What is the harm that the regulation seeks to prevent? (See, R.C. 4798.02(B).)

Design of fire protection systems by competent individuals without being registered design professional.

Is the regulation effective at preventing the harm described above? Are there other, less restrictive ways to prevent the harm?

Yes, see below recommendation for changes.

Are there any changes the Board would like to see implemented?

As part of this review, the Committee may consider amending Revised Code 3781.105 to eliminate the Ohio certification and require only a current appropriate (Level III or IV) NICET certification to perform fire protection system design in Ohio without being a design professional. But, as there is a small number of individuals that currently perform fire protection system design work under a Board certification issued prior to recognition of the NICET certification, we recommend that such proposed modification to the Revised Code keep these individuals in mind so they can continue to work without holding a NICET certification.

Surrounding state comparison (LSC)

| Water-based Fire Protection System Designer | | | | | | |
|---|---|--|--|--|----------------------|---|
| | Ohio | Indiana | Kentucky | Michigan | Pennsylvania | West Virginia |
| License required? | Certification (<i>R.C. 3781.105; O.A.C. 4101:7-5-01</i>). | No clear equivalent. Local regulations apply. (<i>Ind. Code 36-7-8-6.</i>) | Fire protection sprinkler contractor (<i>Ky. Rev. Stat. 198B.550(6) and 198B.560; 815 Ky. Admin. Regs. 7:080</i>). | Certification of the firm that designs the system. At least one individual employed by firm must meet education and training | No clear equivalent. | Fire protection layout technician, engineered suppression systems installer, or pre-engineered suppression systems installer (<i>W. Va. Code 29-</i> |

| Water-based Fire Protection System Designer | | | | | | |
|---|---|---------|--|--|--------------|---|
| | Ohio | Indiana | Kentucky | Michigan | Pennsylvania | West Virginia |
| | | | | requirements. (<i>Mich. Comp. Laws 29.3c; Mich. Admin. Code R. 29.2802 and 29.2808.</i>) | | <i>3D-2 and 3; W. Va. Code R. 103-3-3 and 5).</i> |
| Education or training | Current Level III or IV certification from NICET (<i>O.A.C. 4101:7-5-01(B)(2)</i>). | N/A | Licensed professional engineer or current Level III or IV certification from NICET (<i>Ky. Rev. Stat. 198B.565</i>). | Meets one of the following: <ul style="list-style-type: none"> ▪ Licensed architect or engineer and one year of relevant experience; ▪ Baccalaureate degree in engineering and one year of relevant experience; ▪ Complete four-year apprentice training program and one year of relevant experience; | N/A | For a fire protection layout technician, current Level III NICET certification. For an engineered fire suppression system installer, 2,000 hours of work experience and certifications from manufacturers of all systems installed, altered, extended, maintained, or repaired by the licensee. For a pre-engineered fire suppression |

Water-based Fire Protection System Designer

| | Ohio | Indiana | Kentucky | Michigan | Pennsylvania | West Virginia |
|------------|---|---------|---|---|--------------|---|
| | | | | <ul style="list-style-type: none"> ▪ Complete an equipment manufacturer training program and one year of relevant experience; ▪ Hold a class I or class II electrician’s license and one year of relevant experience; ▪ Five years of relevant experience; or ▪ Certified at Level III or above by NICET. <p><i>(Mich. Admin. Code R. 29.2805.)</i></p> | | <p>system installer, certifications from manufacturers of all systems installed, altered, extended, maintained, or repaired by the licensee.</p> <p><i>(West Virginia State Fire Marshal, Licensure for Fire Protection Workers.)</i></p> |
| Experience | None prescribed by state law, but NICET certification requires at least | N/A | None prescribed by state law, but NICET certification requires at least | See “Education or training.” | N/A | See “Education or training.” |

| Water-based Fire Protection System Designer | | | | | | |
|---|--|---------|--|---|--------------|--|
| | Ohio | Indiana | Kentucky | Michigan | Pennsylvania | West Virginia |
| | five years of experience (<i>NICET, Water-Based Systems Layout, Certification Requirements</i>). | | five years of experience (<i>NICET, Water-Based Systems Layout, Certification Requirements</i>). | | | |
| Exam | None prescribed by state law, but NICET certification requires passing an exam (<i>NICET, Water-Based Systems Layout, Certification Requirements</i>). | N/A | Must pass NICET Fire Protection Engineering Technology Automatic Sprinkler System Design Level III exam or equivalent. (<i>Ky. Rev. Stat. 198B.570</i>). | Exam required for some of the education and training pathways to certification. | N/A | Score 70% or better on examination administered or approved by the State Fire Marshal (<i>W. Va. Code R. 103-3-6</i>). |
| Continuing education | None prescribed by state law, but renewal of NICET certification requires professional development hours (<i>NICET, Water-Based Systems Layout,</i> | N/A | None prescribed by state law, but renewal of NICET certification requires professional development hours (<i>NICET, Water-Based Systems Layout,</i> | N/A | N/A | N/A |

| Water-based Fire Protection System Designer | | | | | | |
|---|---|---------|---|--|--------------|--|
| | Ohio | Indiana | Kentucky | Michigan | Pennsylvania | West Virginia |
| | <u>Certification Requirements</u> . | | <u>Certification Requirements</u> . | | | |
| Initial licensure fee | \$150 (O.A.C. 4101:7-5-01(B)(2)). | N/A | \$250 (815 Ky. Admin. Regs. 7:080). | \$150 (LARA, <u>BFS Certification for Firms/Qualified Persons</u>). | N/A | For a fire protection layout technician, \$150 for one year or \$225 for three years (includes \$50 nonrefundable application fee). For an engineered or pre-engineered fire suppression system installer, \$100 for one year or \$150 for three years (includes \$50 nonrefundable application fee). (West Virginia Office of the State Fire Marshal, <u>Licensure for Fire Protection Workers</u> .) |
| License duration | One year (O.A.C. 4101:7-5-01(D)). | N/A | One year (Ky. Rev. Stat. 198B.605) | Three years (LARA, <u>BFS Certification for</u> | N/A | No more than three years (W. |

| Water-based Fire Protection System Designer | | | | | | |
|---|---|---------|--|---|--------------|--|
| | Ohio | Indiana | Kentucky | Michigan | Pennsylvania | West Virginia |
| | | | | <u>Firms/Qualified Persons</u> . | | <i>Va. Code R. 103-3-6</i>). |
| Renewal fee | \$100 (<i>O.A.C. 4101:7-3-01(F)(2)(c)</i>). | N/A | \$250 (<i>815 Ky. Admin. Regs. 7:080</i>). | \$150 (<i>LARA, BFS Certification for Firms/Qualified Persons</i>). | N/A | For a fire protection layout technician, \$150 for one year or \$225 for three years (includes \$50 nonrefundable application fee). For an engineered or pre-engineered fire suppression system installer, \$100 for one year or \$150 for three years (includes \$50 nonrefundable application fee). <i>(West Virginia Office of the State Fire Marshal, <u>Licensure for Fire Protection Workers</u>.)</i> |